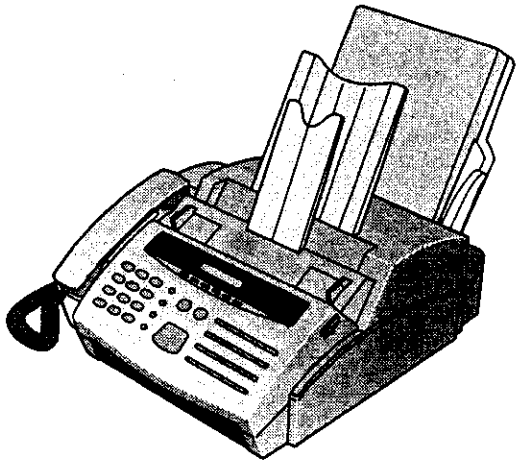
SHARP SERVICE MANUAL

No. 00ZF2600GHSME



FACSIMILE

MODEL FO-2600

SELECTION CODE	COUNTRY
TH	Thailand
SG	Singapore
GU	General Area
GH	General Area

As for the contents of the printer of the model FO-2600, please refer to the separate technical manual as well as the issue No. 00ZFO2600PSME.

CAUTION

This laser printer is a class 1 laser product that complies with 21CFR 1040.10 and 1040.11 of the CDRH standard. This means that this machine does not produce a hazardous laser radiation. The use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser radiation is not a danger to the skin, but when an exact focusing of the laser beam is achieved on the eyes retina, there is danger of spot damage to the retina.

The following cautions must be observed to avoid exposure of the laser beam to your eyes at the time of servicing.

1) When a problem in the laser optical unit has occurred, the whole optical unit must be exchanged as a unit, not an individual part.
2) Do not look into the machine with the main switch turned on after removing the toner/developer unit and drum cartridge.
3) Do not look into the laser beam exposure slit of the laser optical unit with the connector connected when removing and installing the optical system.
4) The upper frame of Laser Printer Unit contains the safety interlock switch.
   Do not defeat the safety interlock by inserting wedges or other items into the switch slot.

CLASS 1
LASER PRODUCT

LASER KLASSE 1

LASER WAVE - LENGTH	: 780 mm
PULSE TIMES	: 14.26 µs/7 mm
OUTPUT POWER	: 0.35± 0.05 mW

CAUTION INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

VORSICHT UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖ FFNET UND SICHERHEI TSVERRIEGELUNG Ü BERERÜ CKT. NICHT DEM STRAHL AUSSETZEN.

ADVARSEL USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGA UDSAETTELSE FOR STRÅLING.

ADVERSEL USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.

VARNING OSYNLIG LASERSTRÅLNING NÄ R DENNA DEL Ä R Ö PPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG. BETRAKTA EJ STRÅLEN.

VARO ! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

Parts marked with "⚠" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

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CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

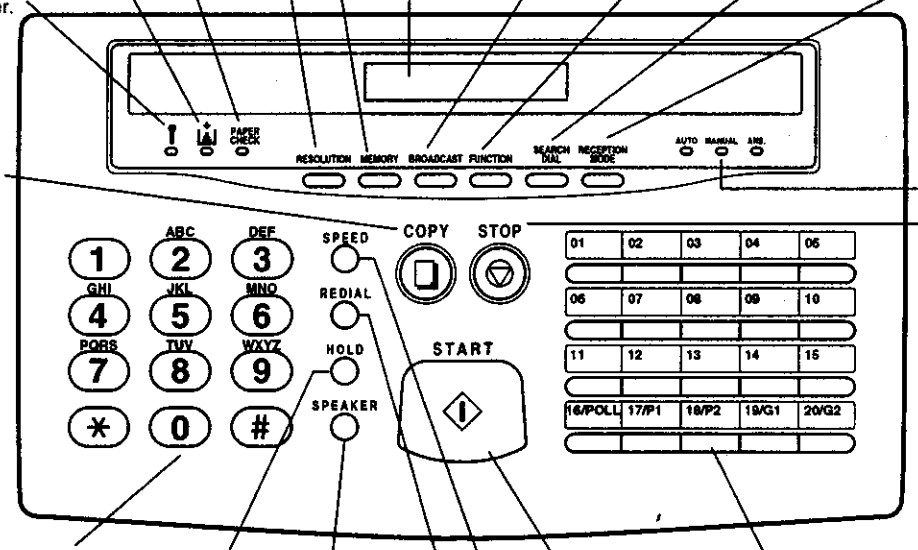
Applicable telephone line:	Public switched telephone network/PBX
Compatibility:	ITU-T (CCITT) G3 mode
Configuration:	Half-duplex, desktop transceiver
Compression scheme:	Modified Huffman and Sharp special mode
Scanning method:	Flat-bed, solid-state CCD
Resolution:	Horizontal: 8 dots/mm Vertical: Standard – 3.85 lines/mm Fine/Halftone – 7.7 lines/mm Super fine-15.4 lines/mm
Display:	7 x 5 dots, 1 line by 16-digit display
Reception modes:	Auto/Manual/Answering machine
Modem speed:	9600 bps with automatic fallback to 7200, 4800, or 2400 bps
Transmission time*:	Approx. 13 seconds (Sharp special mode)
Effective recording width:	203 mm (average)
Input document size:	Automatic feeding: Width – 148 to 216 mm Length – 128 to 356 mm Manual feeding: Width – 148 to 216 mm Length – 128 to 1000 mm
Effective scanning width:	210 mm max.
Automatic document feeder:	20 sheets max.
Halftone (gray scale):	32 levels
Contrast control:	Automatic/Dark selectable
Copy function:	Single/Multi-copy/Sort-copy (99 copies/page)
Telephone function:	Standard (cannot be used if power fails)
Power requirements:	Standard local voltage
Operating temperature:	10-30°C
Power consumption:	Stand-by: 7 W Maximum: 680 W
Dimensions:	Width: 360 mm Depth: 412 mm Height: 169 mm
Weight:	Approx. 7.2 kg

* Based on ITU-T (CCITT) Test Chart #1 at standard resolution in Sharp special mode, excluding time for protocol signals (i.e., ITU-T phase C time only).

<IMPORTANT PLEASE READ FIRST>

To avoid problems with supplies, please don't use supplies from other units. Please use new supplies, when supply changes are required.

[2] Operation Panel



PAPER CHECK light
This light comes on when you are out of paper or when the paper size setting is incorrect.

Toner empty indicator
This blinks when the imaging cartridge is near the end of its life, and lights steadily when it must be replaced.

Service indicator
This lights when a problem occurs which must be fixed by a service engineer.

RESOLUTION key
Press this key to adjust the resolution and contrast before sending or copying a document.

MEMORY key
Press this key to scan a document into memory before transmitting it.

Liquid crystal display
This displays various messages during operation and programming.

BROADCAST key
Press this key to send a document to a group of receiving fax machines.

FUNCTION key
Press this key to select various special functions.

SEARCH DIAL key
Press this key to search for an automatic dialling number.

RECEPTION MODE key
Press this key to select the mode of reception.

Reception mode lights
One of these lights will come on to indicate which reception mode has been selected.

COPY key
Press this key to make a copy of a document.

STOP key
Press this key to stop operations before they are completed.

Number keys
Use these keys to dial numbers, and enter numbers and letters during number/name storing procedures.

HOLD key
Press this key to put the other party on hold during a telephone coversation.

SPEAKER key
Press this key to dial a number without picking up the handset.

REDIAL key
Press this key to automatically redial the last number dialled.

SPEED key
Press this key to dial a 2-digit Speed Dial number.

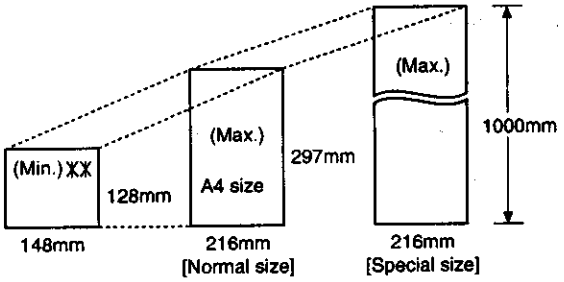
START key
Press this key to send or receive a document.

Rapid Keys
Press one of these keys to dial a fax or voice number automatically. (Note that you must attach the Rapid Key labels.)

[3] Transmittable Documents

1. Document Sizes

Normal size	width	148 – 216 mm
	length	128 – 297 mm



XX Use document carrier sheet for smaller documents.

* With special sizes, only one sheet can be fed into the machine at a time. Insert next page into feeder as current page is being scanned.

2. Paper Thickness & Weight

Normal size	ADF 15 sheets	Thickness	0.12 mm
		Weight	52 – 104g/m^2
	ADF 20 sheets	Thickness	0.06 – 0.09 mm
		Weight	52 – 74.3g/m^2
Special size		Thickness	0.12 – 0.20 mm
		Weight	104 – 157 g/m^2

3. Document Types

- Normal paper
  Documents handwritten in pencil (No. 2 lead or softer), fountain pen, ball point pen, or felt-tipped pen can be transmitted.
  Documents of normal contrast duplicated by a copying machine can also be transmitted.
- Diazo copy (blueprint)
  Diazo copy documents of a normal contrast may be transmitted.
- Carbon copy
  A carbon copy may be transmitted if its contrast is normal.

4. Cautions on Transmitting Documents

- Documents written in yellow, greenish yellow, or light blue ink cannot be transmitted.
- Ink, glue, and correcting fluid on documents must be dry before the documents can be transmitted.
- All clips, staples and pins must be removed from documents before transmission.
- Patched (taped) documents should be copied first on a copier and then the copies used for transmission.
- All documents should be fanned before insertion into the feeder to prevent possible double feeds.

5. Automatic Document Feeder Capacity

Number of pages that can be placed into the feeder at anytime is as follows:

Normal size: max. 20 sheets

Special size: single sheet only (manual feed)

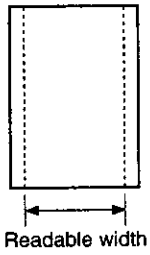
NOTES:
- When you need to send or copy more pages than the feeder limit, place additional pages in feeder when last page in feeder is being scanned.
- Place additional pages carefully and gently in feeder. If force is used, double-feeding or a document jam may result.

6. Readable Width & Length

The readable width and length of a document are slightly smaller than the actual document size.
Note that characters or graphics outside the effective document scanning range will not be read.

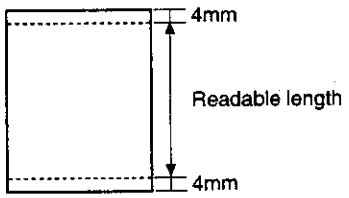
- **Readable width**

208 mm max.



- **Readable length**

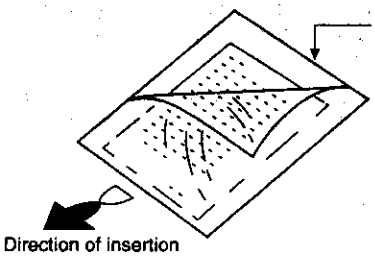
This is the length of the document sent minus 4 mm from the top and bottom edges.



7. Use of Document Carrier Sheet

A document carrier sheet must be used for the following documents.

- Those with tears.
- Those smaller than size 148 mm (W) × 128 mm (L).
- Carbon-backed documents


Make print straight across paper
E.G.
Place the document carrier in the document feeder with the clear film side down
Direction of insertion

NOTE: To transmit a carbon-backed document, insert a white sheet of paper between the carbon back of the document and the document carrier.

- Those containing an easily separable writing substance (e.g., tracing paper written on with a soft, heavy lead pencil).

NOTES:
- When using the document carrier, carefully read the instructions written on the back.
- If the document carrier is dirty, clean it with a soft, moist cloth, and then dry it before using for transmission.
- Do not place more than one document in the carrier at a time.

- The thickness of document which can be held with the carrier sheet is up to 20 lb.

[4] Installation

1. Site selection

Take the following points into consideration when selecting a site for this model.

ENVIRONMENT

- The machine must be installed on a level surface.
- Keep the machine away from air conditioners, heaters, direct sunlight, and dust.
- Provide easy access to the front, back, and sides of the machine. In particular, keep the area in front of the machine clear, or the original document may jam as it comes out after scanning.
- The temperature should be between 41° and 95°F (5° and 35°C).
- The humidity should be between 30% and 85% (without condensation).

ELECTRICITY

Standard voltage, grounded AC outlet is required.

Caution!

- Connection to a power source other than that specified will cause damage to the equipment and is not covered under the warranty.
- If your area experiences a high incidence of lightning or power surges, we recommend that you install a surge protector for the power and telephone lines. Surge protectors can be purchased at most telephone specialty stores.

TELEPHONE JACK

A standard RJ-11C telephone jack must be located near the machine. This is the telephone jack commonly used in most homes and offices.

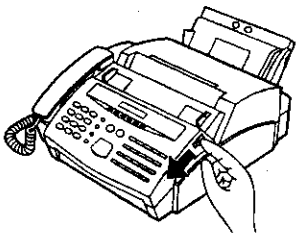
- Plugging the fax machine into a jack which is not an RJ-11C jack may result in damage to the machine or your telephone system. If you do not know what kind of jack you have, or need to have one installed, contact the telephone company.

If the machine is moved from a cold to a warm place...

If the machine is moved from a cold to a warm place, it is possible that the reading glass may fog up, preventing proper scanning of documents for transmission. To remove the fog, turn on the power and wait approximately 2 hours before using the machine.

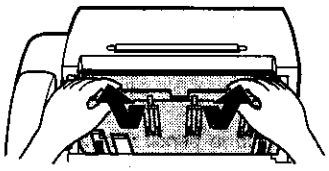
2. Installing the printer cartridges (imaging cartridge: FO-26DC/drum cartridge: FO-26DR)

① Pull the release on the right side of the operation panel forward, and open the operation panel.



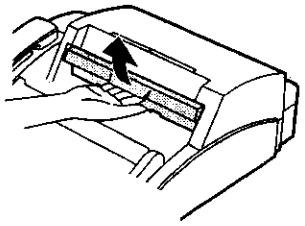
② Grasp the top of the received document guide and pull it so that it rotates toward you. Lift the guide straight up and out of the printing compartment.

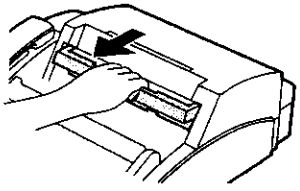
- If you are installing the cartridges for the first time, go to Step 5.



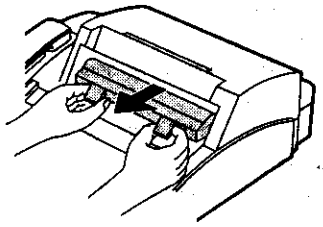
③ If you are replacing the cartridges, grasp the finger hold on the imaging cartridge handle (marked "PUSH") and pull the handle out. Rehold the handle, and pull the imaging cartridge out of the compartment.

- **Caution!** The fusing unit (the black unit with ribs extending across the bottom of the compartment) becomes very hot during printing. Be careful not to touch it.
- If you are only replacing the drum cartridge, place the imaging cartridge on a piece of paper on a horizontal surface. Make sure that the cartridge lies flat.
- If you are only replacing the imaging cartridge, go to Step 8.



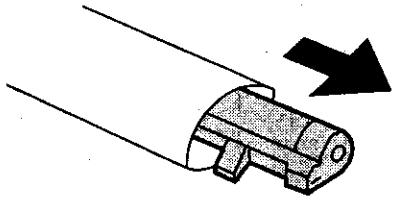


④ Grasp the two finger holds on the blue section of the drum cartridge, and pull it out of the compartment.



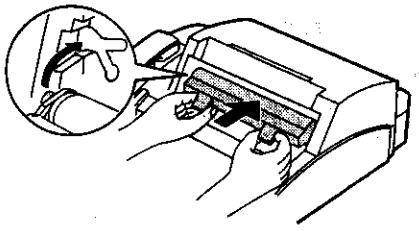
⑤ Unfold the end of the drum cartridge bag, and remove the new drum cartridge.

- Do not use a sharp object to cut the bag.
- Do not remove the sheet of black protective paper yet.



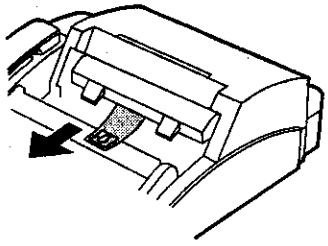
⑥ Grasp the two finger holds on the blue section of the drum cartridge, and insert it into the compartment. Make sure it fits into place on top of the roller in the bottom of the compartment.

- If you have removed a used drum cartridge, place it in the empty drum cartridge bag, seal the bag, and dispose of it in a way that conforms to any local regulations that may exist in your area.



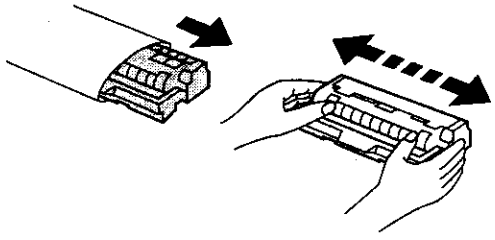
⑦ Grasp the protruding end of the protective sheet, and pull the paper out of the cartridge.

- Be sure not to leave any pieces of torn paper in the printing compartment.
- If you are not replacing the imaging cartridge, go to Step 10.

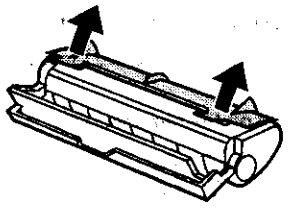


⑧ Remove the imaging cartridge from its bag, and shake it 4 or 5 times in a horizontal direction.

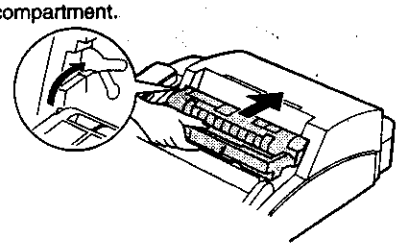
- This ensures that the toner is well distributed inside the cartridge.



⑨ Remove the white cover.

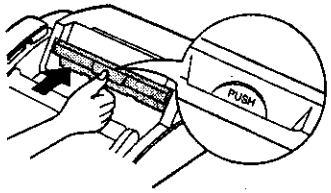


⑩ Grasp the handle of the imaging cartridge so that the stamped markings are facing upwards, and insert the cartridge into the printing compartment.

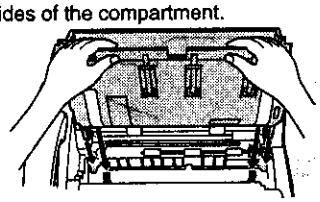


⑪ Place your thumb on the center of the handle where it is marked "PUSH", and push the handle slightly up and in so that the cartridge fits into place.

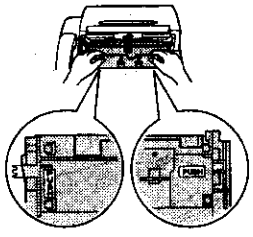
- If you have removed a used imaging cartridge, place it in the empty imaging cartridge bag, seal the bag, and dispose of it in a way that conforms to any local regulations that may exist in your area.



⑫ Hold the received document guide vertically, and insert it into its compartment so that the tabs on each side of the guide go into the slots on the sides of the compartment.



⑬ Make sure that the received document guide is positioned so that the arm on the left side of the guide will go into the hole. Place your thumbs on both sides of the guide where it is marked "PUSH", and push the guide forward until it fits into place.



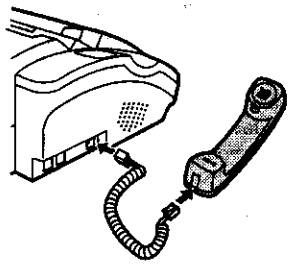
⑭ Close the operation panel.

3. Assembly and connections

① Connect the handset lead to the handset and the fax as shown.

- The ends of the handset lead are identical, so they will go into either socket.

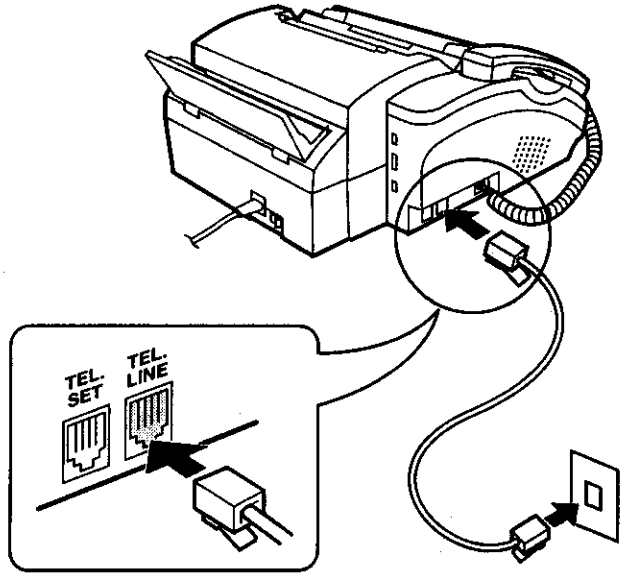
Place the handset on the handset rest.



Use the handset to make ordinary phone calls, or to transmit and receive documents manually.

② Plug one end of the telephone line cord into the socket on the fax marked "TEL. LINE". Plug the other end into a standard telephone wall socket.

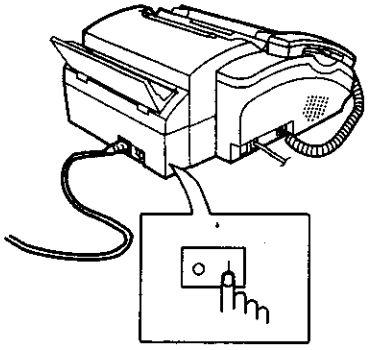
- Be sure to plug the line cord into the **TEL. LINE** socket on the fax. **Do not** plug it into the **TEL. SET** socket.



③ Plug the power lead into a standard voltage, grounded AC outlet.

- **Caution:** Do not plug the power lead into any other kind of outlet. This will damage the machine and is not covered under the warranty.

Press the power switch to turn on the power.



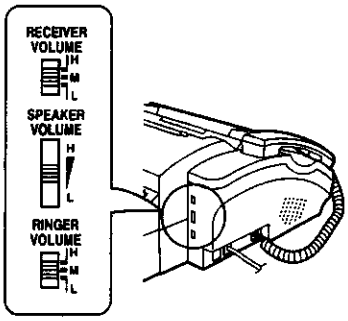
④ Adjust the volume swiches on the left side of the fax. (TH/GU ONLY)

RECEIVER VOLUME:
This swich controls the volume of the handset receiver. Set it at high (**H**), medium (**M**), or low (**L**) as desired.

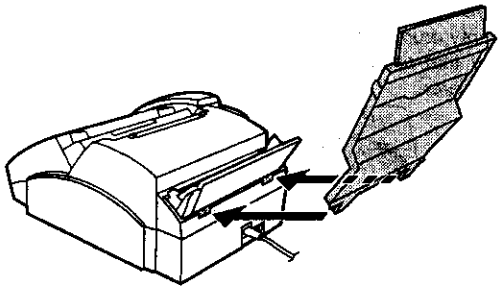
SPEAKER VOLUME:
Adjust this swich from high (**H**) to low (**L**) as desired.

RINGING VOLUME:
Set the swich at high (**H**), medium (**M**), or low (**L**) as desired.

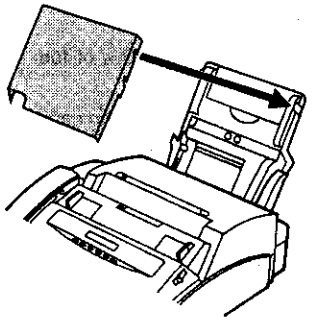
Dial mode:
Set the tone and pulse, using the soft switch.
(Refer to "Dial mode selector, page 2-1.)



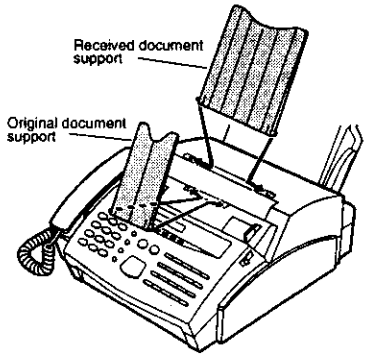
⑤ Attach the paper tray by inserting the tabs into the holes at the rear of the fax.



⑥ Place the paper cover on the paper tray so that the catches on each side of the tray fit into the notches on each side of the cover.



⑦ Attach the original document support and the received document support to the top of the fax as shown.

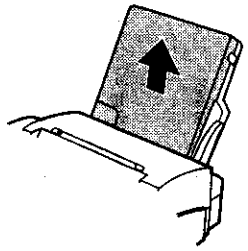


4. Loading printing paper

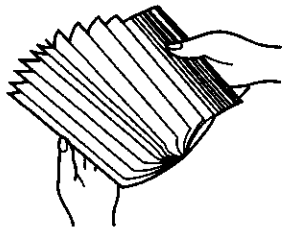
The paper tray holds the paper on which received documents and copies are printed.

Up to 100 sheets of letter or legal size paper from 60 to 90 g/m^2 can be loaded in the tray.

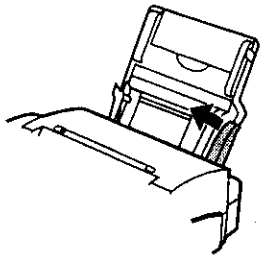
① Remove the paper tray cover.



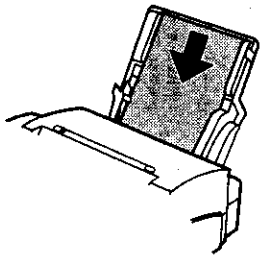
② Fan the paper, and then tap the edge against a flat surface to even the stack.



③ Pull the lever on the right side of the paper tray (marked "PULL") toward you.

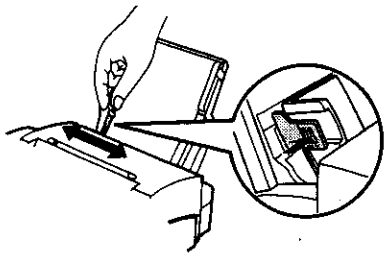


④ Insert the paper into the tray, print side up.

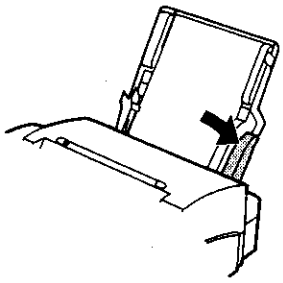


⑤ Make sure that the right edge of the paper is aligned against the right paper guide, and them move the left paper guide until it fits into the position marked "A4".

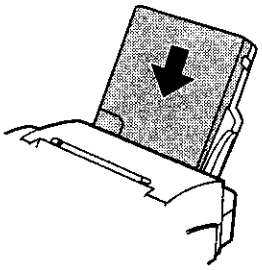
- To move the guide, pinch the lever on the left against the guide.

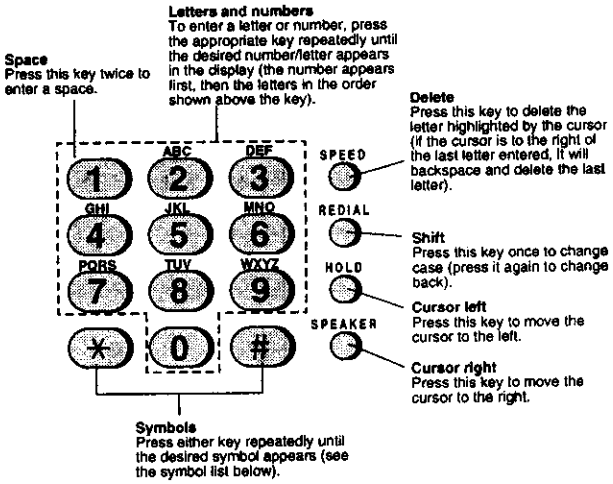


⑥ Push the lever on the right side of the paper tray back down to set the paper.



⑦ Replace the paper tray cover.




Letters and numbers
To enter a letter or number, press the appropriate key repeatedly until the desired number/letter appears in the display (the number appears first, then the letters in the order shown above the key).
Space
Press this key twice to enter a space.
Delete
Press this key to delete the letter highlighted by the cursor (if the cursor is to the right of the last letter entered, it will backspace and delete the last letter).
Shift
Press this key once to change case (press it again to change back).
Cursor left
Press this key to move the cursor to the left.
Cursor right
Press this key to move the cursor to the right.
Symbols
Press either key repeatedly until the desired symbol appears (see the symbol list below).
1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
* 0 #
SPEED
REDIAL
HOLD
SPEAKER

[5] Quick reference guide

Use this guide as a convenient reminder for operating the machine after you have read the detailed instructions for each procedure in the manual.

Note: Steps which are optional are enclosed in a dotted frame: [ ]

Transmitting documents

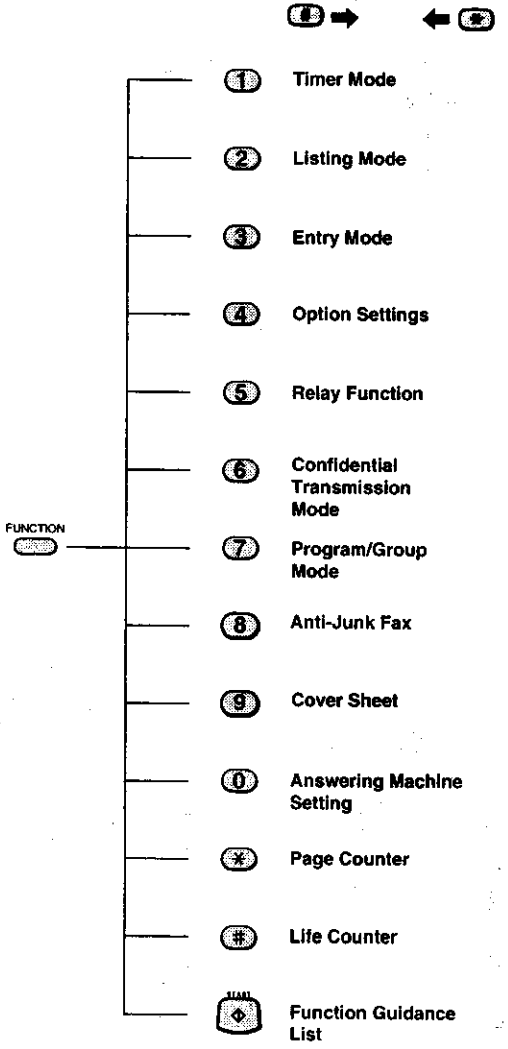
Normal Dialing	Load document → RESOLUTION → Lift handset or press SPEAKER → Dial (press numeric keys) → Wait for reception tone → START → Hang up
Direct Keypad Dialing	Load document → RESOLUTION → Dial (press numeric keys) → START
Rapid Key Dialing	Load document → RESOLUTION → Press Rapid key
Speed Dialing	Load document → RESOLUTION → SPEED → Enter Speed Dial number (press 2 numeric keys) → START
Redialing	Load document → RESOLUTION → REDIAL → Wait for reception tone → START

Making voice calls

Normal Dialing	Lift handset or press **SPEAKER** → Dial (press numeric keys) → Lift handset if you pressed **SPEAKER**
Rapid Key Dialing	Press **SPEAKER** → Press Rapid key → Lift handset if you pressed **SPEAKER**
Speed Dialing	Lift handset or press **SPEAKER** → SPEED → Enter Speed Dial number (press 2 numeric keys) → Lift handset if you press **SPEAKER**
Redialing	Lift handset → REDIAL

Operations using the FUNCTION key

The following chart shows how to access **FUNCTION** key operations. Once you have accessed the desired operation, follow the instructions which appear in the display.



CHAPTER 2. ADJUSTMENTS

[1] Adjustments

General

Since the following adjustments and settings are provided for this model, make adjustments and/or setup as necessary.

1. Adjustments

Adjustments of output voltage (FACTORY ONLY)

1. Install the power supply unit in the machine.
2. Set the recording paper and document.
3. When the document is loaded, power is supplied to the output lines. Confirm that outputs are within the limits below.

Output voltage settings

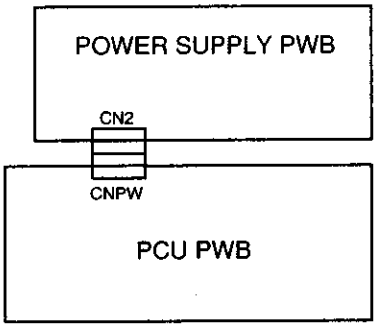


Fig. 1

Output	Voltage limits
+5V	4.75V~5.25V
+12V	12.45V~12.55V
+14.5V	13.0V~14.5V

Connector No. / Pin No.	CNPW
1	+5V
2	+5V
3	GND
4	GND
5	+12V
6	+12V
7	+12V
8	GND
9	GND
10	GND
11	+14.5V
12	GND
13	HLON
14	PR

2. IC protectors replacement

ICPs (IC Protectors) are installed to protect the TX motor drive circuit, printer motor drive circuit and the PCU drive circuit. ICPs protect various ICs and electronic circuits from an overcurrent condition.

The location of ICPs are shown below:

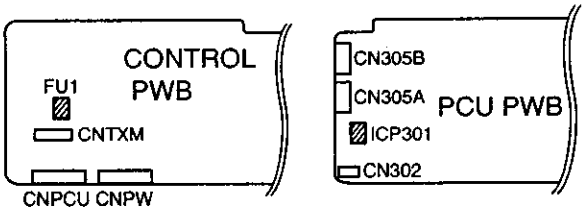


Fig. 2

(1) ICP301 (ICP-N25) is installed in order to protect IC's from and overcurrent generated in the PCU drive circuit and printer motor drive circuit. If ICP301 is open, replace it with a new one.

(2) FU1 (ICP-N20) is installed in order to protect IC's from an overcurrent generated in the TX motor drive circuit. If FU1 is open, replace it with a new one.

In addition to the replacement of ICP301 and FU1, the factor causing ICP301 and FU1 to open must also be repaired. If not, ICP301 and FU1 will open again.

Replacement parts

ICP-N20 (Sharp code: VHViCPN20//-1)

ICP-N25 (Sharp code: VHViCPN25//-1)

3. Settings

(1) Telephone/Fax setting (TH/GU ONLY)

Perform the following adjustments and settings for the telephone and facsimile functions.

1. RECEIVER VOLUME:

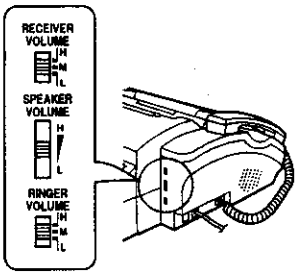
This switch controls the volume of the handset receiver. Set it at high (**H**), medium (**M**), or low (**L**) as desired.

2. SPEAKER VOLUME:

Adjust this switch from high (**H**) to low (**L**) as desired.

3. RINGING VOLUME:

Set the switch at high (**H**), medium (**M**), or low (**L**) as desired.



(2) Dial mode selector

OPTION SETTING: DIAL MODE (Soft Switch No. SW2 DATA No. 3)

Use this to set the fax machine to the type of telephone line you are on.

- The factory setting is "TONE".

(step 1) Select "OPTION SETTING".

KEY: [FUNCTION] (4)

DISPLAY: [OPTION SETTING] ⇔ [PRESS ✕ OR #]

(step 2) Select "DIAL MODE".

KEY: (✕)(✕)(✕)

DISPLAY: [DIAL MODE] ⇔ [1=TONE, 2=PULSE]

Cursor
When initially registering, the mode shows 1=TONE. When registering again, the mode which was registered formerly is shown.

(step 3) Select, using "1" or "2".

KEY: (1)

DISPLAY: [TONE SELECTED]

KEY: (2)

DISPLAY: [PULSE SELECTED]

(step 4) End, using the "STOP" key.

KEY: STOP

[2] Diagnostics and service soft switch

1. Operating procedure

Two kinds of diagnoses are supported.

① Fax diagnosis

This diagnosis is concerned with the main body of fax which is used for production and service support.

Entering the diagnostic mode

Press [FUNC] → [9] → [✱] → [8] → [#] → [7], and the following display will appear.

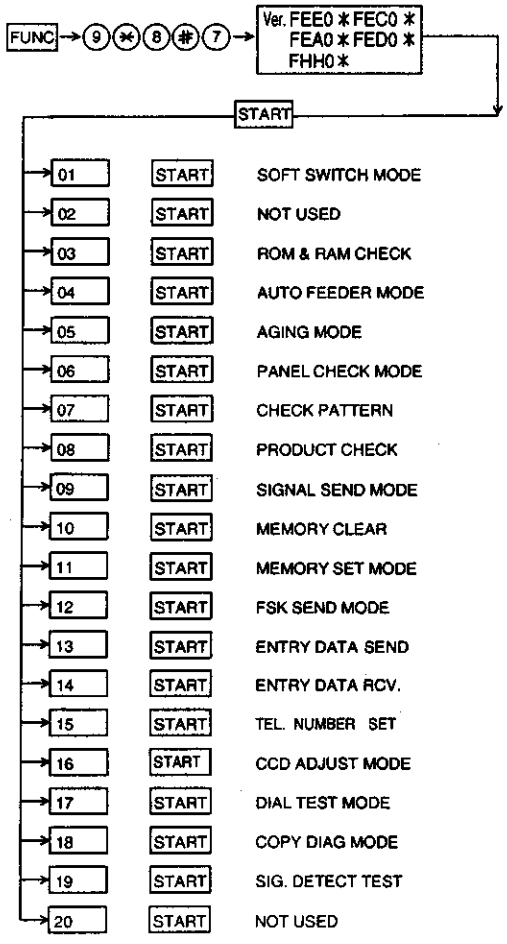
[ROM Ver. XXXXX]

FEE0 ✱ (TH)
FEC0 ✱ (GU)
FEA0 ✱ (SG)
FED0 ✱ (GH) — Identical
FHH0 ✱

Then press the [START] key. Select the desired item with the [✱] key and the [#] key or select with the rapid key.

Enter the mode with the [START] key.

(Diag-specifications)


FUNC → 9 ✱ 8 # 7 → Ver. FEE0 ✱ FEC0 ✱ FEA0 ✱ FED0 ✱ FHH0 ✱
START
01 START SOFT SWITCH MODE
02 START NOT USED
03 START ROM & RAM CHECK
04 START AUTO FEEDER MODE
05 START AGING MODE
06 START PANEL CHECK MODE
07 START CHECK PATTERN
08 START PRODUCT CHECK
09 START SIGNAL SEND MODE
10 START MEMORY CLEAR
11 START MEMORY SET MODE
12 START FSK SEND MODE
13 START ENTRY DATA SEND
14 START ENTRY DATA RCV.
15 START TEL. NUMBER SET
16 START CCD ADJUST MODE
17 START DIAL TEST MODE
18 START COPY DIAG MODE
19 START SIG. DETECT TEST
20 START NOT USED

② Print diagnosis

This diagnosis is concerned with the print which is used for production and service support.

Entering the diagnostic mode

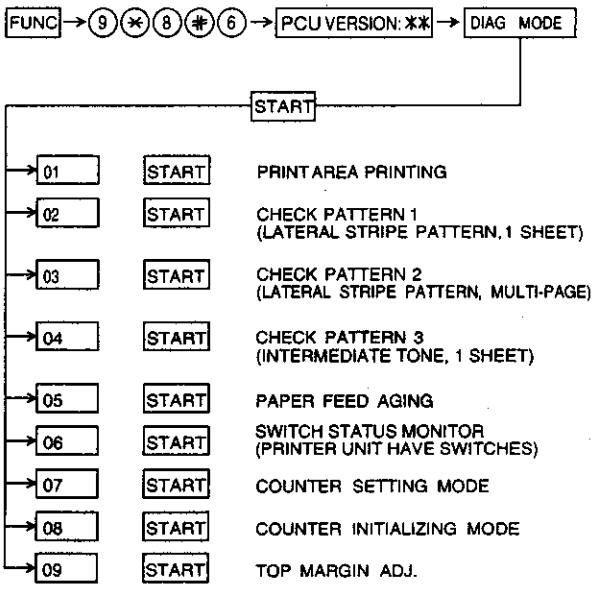
Press [FUNC] → [9] → [✱] → [8] → [#] → [6], and the following display will appear.

[PCU VERSION: ✱✱] After 2 sec: [DIAG MODE]

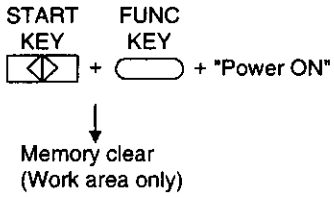
Then press the [START] key. Select the desired item with [✱] the key and the [#] key or select with the rapid key.

Enter the mode with the [START] key.

(Diag-specifications)


FUNC → 9 ✱ 8 # 6 → PCU VERSION: ✱✱ → DIAG MODE
START
01 START PRINT AREA PRINTING
02 START CHECK PATTERN 1 (LATERAL STRIPE PATTERN, 1 SHEET)
03 START CHECK PATTERN 2 (LATERAL STRIPE PATTERN, MULTI-PAGE)
04 START CHECK PATTERN 3 (INTERMEDIATE TONE, 1 SHEET)
05 START PAPER FEED AGING
06 START SWITCH STATUS MONITOR (PRINTER UNIT HAVE SWITCHES)
07 START COUNTER SETTING MODE
08 START COUNTER INITIALIZING MODE
09 START TOP MARGIN ADJ.

If the diag mode does not start, proceed with the following procedure to operate the diag mode again.



2. Diagnostic items

① Fax diagnosis

Item No.	Rapid key	Content	Function outline
1	01	soft switch mode	Content display & setting change of soft switch.
2	02	not used	–
3	03	rom & ram check	ROM/RAM of main PWB is checked.
4	04	auto feeder mode	Document is fed.
5	05	aging mode	The check pattern is printed at a rate of one sheet per hour.
6	06	panel check mode	The key name on the pressed operation panel is displayed.
7	07	check pattern	A sheet of check patterns are printed.
8	08	product check	Panel check, rom & ram check and check pattern are continuously executed.
9	09	signal send mode	Various signals are sequentially sent out.
10	10	memory clear	The content of the back-up memory is initialized, and is factory-set at shipment.
11	11	memory set mode	Memory content is set.
12	12	FSK send mode	FSK signal is sent.
13	13	entry data send	Register content is transmitted.
14	14	entry data rcv.	Register content is received, and the content is registered.
15	15	tel. number set	Tel. number data is set.
16	16	CCD adjust mode	The optical system is adjusted.
17	17	dial test mode	Dial test.
18	18	copy diag mode	2 page copy (1st fine, 2nd h-tone).
19	19	signal detect test	Signal detect test (for product only).
20	20	not used	–

② Print diagnosis

Rapid	Test item
01	Print area printing
02	Check pattern 1 (lateral stripe pattern, 1 sheet)
03	Check pattern 2 (lateral stripe pattern multi-page)
04	Check pattern 3 (intermediate tone, 1 sheet)
05	Paper feed aging
06	Switch status monitor (printer unit have switches)
07	Counter setting mode
08	Counter initializing mode
09	Top margin adj.

3. Diagnostic items description

① Fax diagnosis

Rapid key 01: Soft switch setting mode

Used to change the soft switch settings.

The soft switch which is stored internally is set by using the keys.

The available soft switches are SW1 to SW28. (TH/GU)

The available soft switches are SW1 to SW29. (SG/GH)

The content of soft switches is shown in page 2-8 to 2-13.

After setting SW28 (TH/GU), press the "1" key, and the soft switch table list will be printed.

After setting SW29 (SG/GH), press the "1" key, and the soft switch table list will be printed.

Here, the content of the soft switch will be backed up.

Rapid key 02: Not used

Rapid key 03: ROM & RAM check mode

This mode is provided to check the states of ROM, SRAM and DRAM of the main PWB.

This mode have three check modes as following:

① All device is tested
② ROM device (main CPU's ROM & sub CPU's ROM) are tested
③ RAM device (SRAM & DRAM) are tested

ROM executes the sum check, and RAM executes the matching test. The result will be notified with the number of short sounds of the buzzer as well as by printing the ROM & RAM check list.

Number of short sounds of buzzer
0 → No error
1 → Main ROM error
2 → Sub ROM error
3 → Main SRAM error
4 → Main DRAM error
5 → Sub RAM error

After finishing test, the following will be printed.

No. 1 is printed after all test finished.

No. 2 is printed after ROM test finished.

No. 3 is printed after RAM test finished.

No.1.In case of all device tested.

```
                ROM & RAM CHECK TABLE

- MAIN -
        ROM = OK        VER. FDX0E
        SRAM = OK
        DRAM = OK
        ECM DRAM = OK
        OPTION DRAM = NO SET UP

- SUB -
        ROM = OK        VER. FHH0E
        DRAM = OK

- PCU -
        ROM             VER. 232
```

No.2.In case of only ROM device (main CPU's and sub CPU's) tested.

```
                ROM & RAM CHECK TABLE

- MAIN -
        ROM = OK        VER. FDX0E

- SUB -
        ROM = OK        VER. FHH0E

- PCU -
        ROM             VER. 232
```

No.3.In case of only RAM device (main CPU's SRAM & DRAM, and sub CPU's DRAM) tested.

```
                ROM & RAM CHECK TABLE

- MAIN -
        SRAM = OK
        DRAM = OK
        ECM DRAM = OK
        OPTION DRAM = NO SET UP

- SUB -
        DRAM = OK

- PCU -
        ROM             VER. 232
```

Rapid key 04: Auto feeder mode

In this mode, a document is inserted and exited to check the auto feed function.
After this mode is started, set a document, and the document feed will be automatically tested.

Rapid key 05: Aging mode

If any document is first present, copying will be executed sheet by sheet. If no document is present, the check pattern will be printed sheet by sheet. This operation will be executed at a rate of one sheet per hour, and will be ended at a total of 10 sheets.

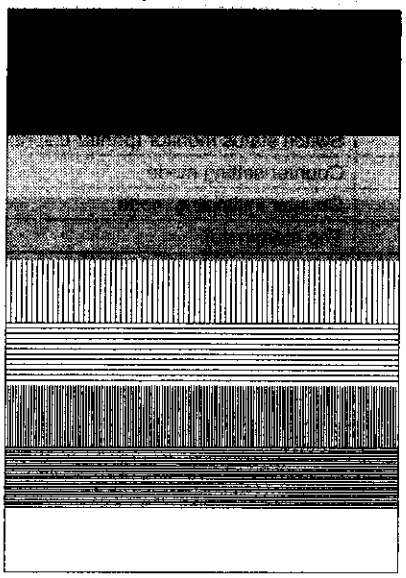
Rapid key 06: Panel check mode

In this mode, whether each key operates properly or not is checked. Press a key on the operation panel, and the corresponding key will be displayed. In this mode, press the STOP key, and the list of the keys unpressed in this mode will or not will be printed with the mode ended.

When entering this mode, reading LED is turned on, and when exiting, it turned off, because CCD adjust at the factry.

Rapid key 07: Check pattern

Same as No. 1 of the print diag.



Rapid key 08: Product check

Panel check mode, ROM & RAM check, and dial test mode are continuously executed. The result of panel check and ROM & RAM check will be collectively printed in one sheet. In addition, the path equivalent device OFF (0 km), circuit monitor ON and rapid station will be registered. (For the content registered in the rapid station, refer to the following table.)

WHEN THE PROCESS TEST IS ENDED, BE SURE TO CLEAR THE MEMORY.

Rapid No.	FAX No.	Rapid No.	FAX No.
01	20	11	1
02	21	12	2
03	22	13	3
04	23	14	4
05	24	15	5
06	25	16	01
07	26	17	02
08	27	18	03
09	28	19	04
10	29	20	05

Rapid key 09: Signal send mode (TH/GU)

This mode is used to send various signals to the line.

FAX signals are sent in the level set by the soft swich.

(CML ON is the signal receiving mode.)

[1] No signal (CML signal turn on)

[2] 9600bps

[3] 7200bps

[4] 4800bps

[5] 2400bps

[6] 300bps (FLAG)

[7] 2100Hz (CED)

[8] 1100Hz (CNG)

[9] END

Connect your facsimile directly to another facsimile to check, and check the output tone through the handset.

Rapid key 09: Signal send mode (SG/GH)

This mode is used to send various signals to the line.

FAX signals are sent in the level set by the soft swich.

(CML ON is the signal receiving mode.)

[1] No signal (CML signal turn on)

[2] 9600bps

[3] 7200bps

[4] 4800bps

[5] 2400bps

[6] 300bps (FLAG)

[7] 2100Hz (CED)

[8] 1100Hz (CNG)

[9] 697Hz (DTMF LOW)

[10] 770Hz (DTMF LOW)

[11] 852Hz (DTMF LOW)

[12] 941Hz (DTMF LOW)

[13] 1209Hz (DTMF HIGH)

[14] 1336Hz (DTMF HIGH)

[15] 1477Hz (DTMF HIGH)

[16] PSEUDO RINGER

[17] END

Connect your facsimile directly to another facsimile to check, and check the output tone through the handset.

Rapid key 10: Memory clear mode

Used to clear the memory. The soft switches and the optional setting will be set to initial states. The following will be printed.

```
**************************************************
*                                                *
*                MEMORY CLEARED                  *
*                                                *
**************************************************
```

Rapid key 11: Memory set mode (for development)

(FACTORY ONLY)

The mode allows the content of the memory to be checked and set. If any physical address of 5 digits is input, the data of the address will be displayed. In this state, input data of 2 digits and press the START key, and the content will be rewritten. Moreover, the next address can be selected with ✳ key. When an address is input, 0 thru 9 are input with ten 0 thru ten 9, and 0AH thru 0FH are input with 0AH thru 0FH.

Here, take care that malfunction may result if any memory content is changed.

Rapid key 12: FSK send mode

Various signals of 300 bps are sent out to the circuit in the following data pattern.

0000 → 1111 → 010101 → 11110 → 00001

Connect your facsimile directly to another facsimile to check, and check the output tone through the handset.

Rapid key 13: Entry data send

This mode allows registered data to be sent to the remote machine in order to copy the registered content in the remote machine. When it is sent in this mode, the remote machine must be in the entry data receive mode.

The sent content is as follows:

1. Content can be registered in the entry mode of "FUNC" + "3".
   (Here, data & time are excluded.)
2. Relay command data
3. Soft switch data

Note: Start the receiver first.

Rapid key 14: Entry data receive

In this mode, the registered data sent from the remote machine is received, and the received data is registered in the local machine. When it is received in this mode, the remote machine must be in the entry data send mode.

After receiving is ended, the telephone list, optional setting list, and soft switch list, program/group list will be printed.

Rapid key 15: Tel. number set (for development)

This mode allows the content of the telephone list to be set.

The content of R01 is all copied into the rapid station, and the content of S01 is all copied into the speed station. However, the name alone is changed after the data is copied. This mode is provided to easily input the telephone number data after the memory is cleared.

Rapid key 16: CCD adjust mode

In this mode, the optical system is adjusted. Since copying is executed, set a document. Copying can be interrupted with the stop key, and copying can be restarted with the START key. Escape from this mode can be executed by pressing the STOP key at the end or interruption of copying.

Rapid key 17: Dial test mode

In this mode, you can test automatically in the each dial mode as following.

① Connect the line.
② In PB dial mode, [1][2][3][4][5][6][7][8][9][X][0][#] are dialled.
③ Disconnect the line, and after 500 ms, connect the line again.
④ In DP dial mode, [1][5][9][0] are dialled.
⑤ Disconnect the line.

Rapid key 18: Copy test mode

In this mode, two shees of the document automatically are copied. 1st document will be copied in the fine mode, and 2nd document will be copied half tone.

Rapid key 19: Signal detect test

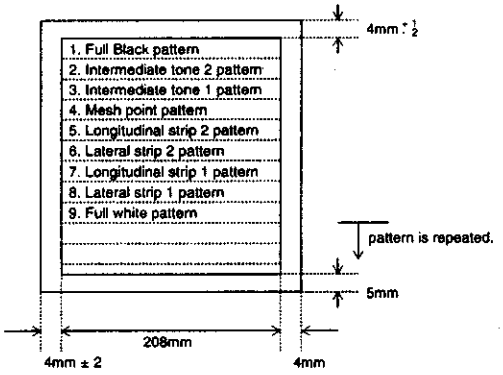
(Factory Only)

In this mode, you must used the special checker machine of using at factory.

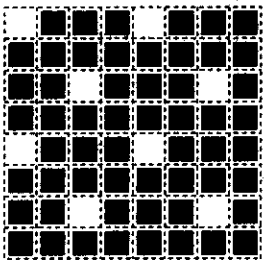
② Print diagnosis

Rapid key 01: Print area printing

The effective printing area frame is printed in the specified sheet size.

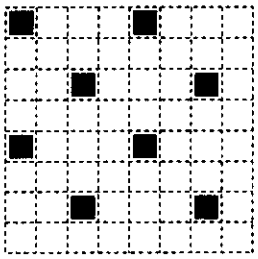


1. [Full black pattern]
2. [Intermediate tone 2 pattern]



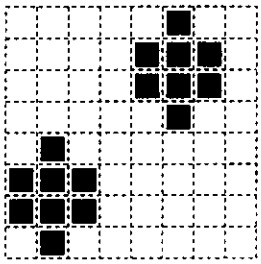
The left pattern is repeated.

3. [Intermediate tone 1 pattern]



The left pattern is repeated.

4. [Mesh point pattern]



The left pattern is repeated.

5. [Longitudinal strip 2 pattern]
   Black 2 dot and white 2 dot are repeated in line.
6. [Lateral strip 2 pattern]
   Black 2 line and white 2 line are repeated.
7. [Longitudinal strip 1 pattern]
   Black 1 dot and white 1 dot are repaeted in line.
8. [Lateral strip 1 pattern]
   Black 1 line and white 1 line are repeated.
9. [Full White pattern]

Rapid key 2: Check pattern 1

The lateral stripe 2 pattern is printed on one sheet.
(Black 2 line and white 2 line are repeated.)

Rapid key 3: Check pattern 2

The lateral stripe 2 pattern is printed on multiple pages.
Press the STOP key to end the printing.

Rapid key 4: Check pattern 3

The intermediate tone 1 is printed on one sheet.

Rapid key 5: Paper feed aging

This mode have fine mode as following:

① White by SUB CPU — All white data will be sent by Sub CPU.
② White by CPU — All white data will be sent by CPU.
③ Black — All black data will be sent by Sub CPU.
④ No paper
⑤ No paper with error check

Rapid key 6: Switch status monitor

In this mode, you can change the life counter of printer's unit.

Rapid key 7: Counter setting mode

In this mode, you can change the life counter of printer's unit.

Rapid key 8: Counter initializing mode

In this mode, you can change the life counter of printer's unit.

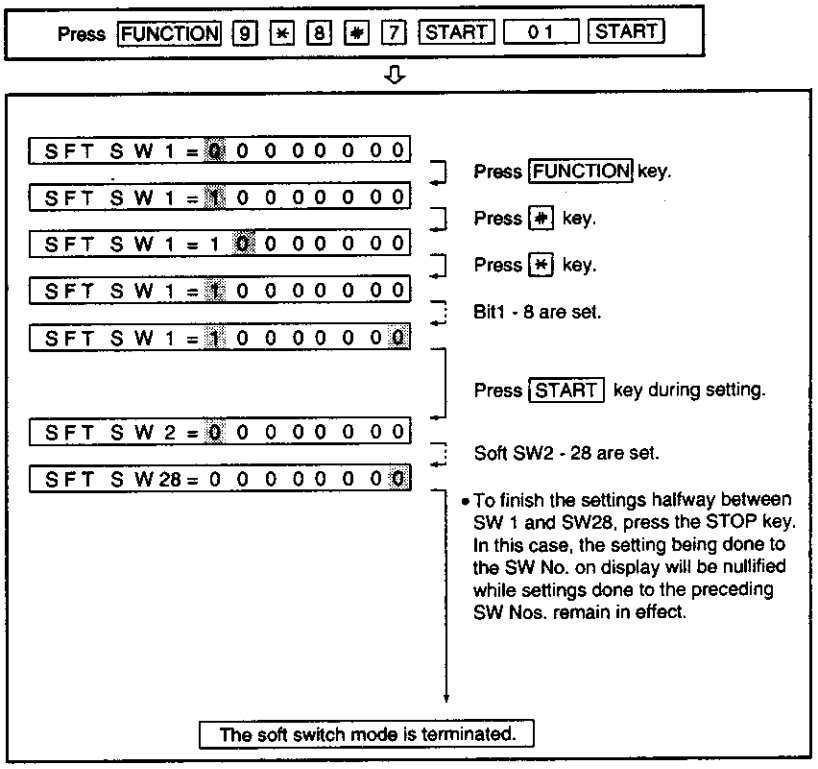
Rapid key 9: Top margin adjust mode

In this mode, you can check the printer A/D status. You can see the now value as following:

① Top margin
② Thermostat
③ Room temparate
④ Door switch

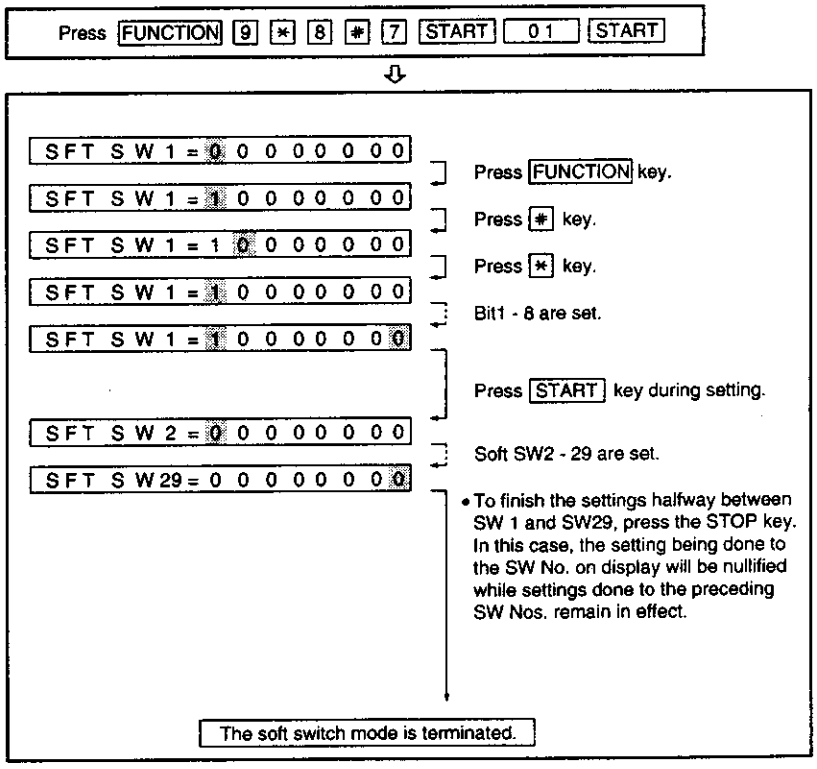
4. HOW TO MAKE Soft Switch SETTING (TH/GU)

To enter the softswitch mode, make the following key entries in sequence.


Press FUNCTION 9 * 8 # 7 START 01 START
SFT SW 1 = 0 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 2 = 0 0 0 0 0 0 0 0
SFT SW 28 = 0 0 0 0 0 0 0 0
Press FUNCTION key.
Press # key.
Press * key.
Bit1 - 8 are set.
Press START key during setting.
Soft SW2 - 28 are set.
• To finish the settings halfway between SW 1 and SW28, press the STOP key. In this case, the setting being done to the SW No. on display will be nullified while settings done to the preceding SW Nos. remain in effect.
The soft switch mode is terminated.

4. HOW TO MAKE Soft Switch SETTING (SG/GH)

To enter the softswitch mode, make the following key entries in sequence.


Press FUNCTION 9 * 8 # 7 START 01 START
SFT SW 1 = 0 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 1 = 1 0 0 0 0 0 0 0
SFT SW 2 = 0 0 0 0 0 0 0 0
SFT SW 29 = 0 0 0 0 0 0 0 0
Press FUNCTION key.
Press # key.
Press * key.
Bit1 - 8 are set.
Press START key during setting.
Soft SW2 - 29 are set.
• To finish the settings halfway between SW 1 and SW29, press the STOP key. In this case, the setting being done to the SW No. on display will be nullified while settings done to the preceding SW Nos. remain in effect.
The soft switch mode is terminated.

5. Soft switch description

- **Soft switch**

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting				Remarks
			1	0	TH	GU	SG	GH	
SW1	1	Line density choice	FINE	STANDARD	0	0	0	0	OPTION
	2	Remote receive control function	No	Yes	0	0	0	0	OPTION
	3	Switching to reception when A.M. mode	After 6 rings	Does not switch	0	0	0	0	A.M. mode
	4	Activity report print	Automatic printout after memory full	No printout when memory full	0	0	0	0	OPTION
	5	CNG signal detection in stand-by mode	No	Yes	0	0	0	0	OPTION
	6	R16 key function	POLLING KEY	RAPID KEY	0	0	0	0	Entry mode
	7	Anti Junk FAX	Yes	No	0	0	0	0	Entry mode
	8	Automatic switching mode	TEL/FAX automatic switching	Switching to fax only	0	0	0	0	OPTION
SW2	1	Modem AGC	Disable	Enable	0	0	0	0	
	2	Reception 4800bps fixed	Yes	No	0	0	0	0	
	3	Telephone type	Tone	Pulse	1	1	1	1	OPTION
	4	CED tone-signal interval	500ms	75ms	0	0	0	0	
	5	Line equalizer	Yes	No	1	1	1	1	
	6	Reserved			0	0	0	0	
	7	Automatic cover sheet	Yes	No	0	0	0	0	OPTION
	8	Reserved			0	0	0	0	
SW3	1	Max page length for transmit, receive and copy	No limit	1m max. for copy and transmit, 1.5m max. for receive	0	0	0	0	
	2	Footer print	On	Off	0	0	0	0	OPTION
	3	Sender's phone number registration	Cannot be changed	Can be changed	0	0	0	0	
	4	Total communication hours and pages print	No	Yes	0	0	0	0	
	5	Reserved			0	0	0	0	
	6	Reserved			0	0	0	0	
	7	CSI transmission	Not transmitted	Transmitted	0	0	0	0	
	8	Communication error treatment (reception) in RTN sending	Not transmission error	Transmission error	0	0	0	0	
SW4	1	Protocol monitor 1	Printed at com. error	Not printed	0	0	0	0	
	2	Dialling pause	4s	2s	0	0	0	0	
	3	Reserved			0	0	0	0	
	4	NSF receive acknowledge in G3 transmit mode	Twice	Once for NSF reception, Twice for DIS reception	0	0	0	0	
	5	Non-modulation carrier in V29 transmission mode	Yes	No	0	0	0	0	
	6	EOL detect timer	25s	13s	0	0	0	0	
	7	Protocol monitor 0	Yes	No	0	0	0	0	
	8	Protocol monitor LCD	Yes	No	0	0	0	0	
SW5		Fine and standard contrast control		Standard / Light / Dark / Darker					
	1		No. 1	0 / 0 / 1 / 1	0	0	0	0	
	2		No. 2	0 / 1 / 0 / 1	0	0	0	0	
		Halftone contrast control		Standard / Light / Dark / Darker					
	3		No. 3	0 / 0 / 1 / 1	0	0	0	0	
	4		No. 4	0 / 1 / 0 / 1	0	0	0	0	
		Character detection sensitivity setting in Halftone mode		– / Weak / Strong / –					
	5		No. 5	0 / 0 / 1 / 1	0	0	0	0	
	6		No. 6	0 / 1 / 0 / 1	1	1	1	1	
	7	Reserved			0	0	0	0	
	8	Reserved			0	0	0	0	

SW NO.	DATA NO.	ITEM	Switch setting and function							Initial setting				Remarks
			1						0	TH	GU	SG	GH	
SW 6		Communication results printout (Transaction report)		Transmission or com. err.	Cancel or com. error	Printed at E/T/M/P	Printed at only trans.	Prints every time	Not printed					OPTION
	1		No. 1	1	1	0	0	0	0	1	1	1	1	
	2		No. 2	0	0	0	0	1	1	0	0	0	0	
	3		No. 3	1	0	0	1	0	1	0	0	0	0	
	4	Sender's information delivery	No						Yes	0	0	0	0	
	5	Remote operation code figures by external telephone (0-9)	Binary input							0	0	0	0	OPTION
	6		8 4 2 1 (Binary)							1	1	1	1	
	7		No. = 5 6 7 8 (Bit No.)							0	0	0	0	
	8									1	1	1	1	
SW 7	1	H2 mode	Off						On	0	0	0	0	
	2	ECM (MMH)	No						Yes	0	0	0	0	
	3	ECM mode	No						Yes	0	0	0	0	OPTION
	4	Reserved								0	0	0	0	
	5	Modem signal transmission level (dBm)	Binary input							0	1	1	1	
	6		8 4 2 1 (Binary)							0	0	0	0	
	7		No. = 5 6 7 8 (Bit No.)							1	1	0	1	
	8									1	1	1	1	
SW 8	1	Recall interval	Binary input							0	0	0	0	OPTION
	2		8 4 2 1 (Binary)							1	1	1	1	
	3		No. = 1 2 3 4 (Bit No.)							0	0	0	0	
	4									1	1	1	1	
	5	Recall times	Binary input							0	0	0	0	OPTION
	6		8 4 2 1 (Binary)							0	0	0	0	
	7		No. = 5 6 7 8 (Bit No.)							1	1	1	1	
	8									0	0	0	0	
SW 9		Dummy ringer rumbling time at TEL/FAX automatic switching mode		15s	30s	60s	120s							OPTION
	1		No. 1	0	0	1	1			0	0	0	0	
	2		No. 2	0	1	0	1			0	0	0	0	
	3	Busy tone detection continuation sound detect time	10s						5s	0	0	0	0	
		Number of busy tone detection pulse		2pulse	4pulse	6pulse	10pulse							
	4		No. 4	0	0	1	1			0	0	0	0	
	5		No. 5	0	1	0	1			1	1	1	1	
	6	Busy tone detection time (lower duration)	350ms						200ms	0	0	0	0	
	7	Busy tone detection time (upper duration)	650ms						750ms	0	0	0	0	
	8	Busy tone detection intermittent sound detection	No						Yes	0	0	0	0	
SW 10		Beep length select		3s	1s	no buzzer	–							OPTION
	1		No. 1	0	0	1	1			0	0	0	0	
	2		No. 2	0	1	0	1			0	0	0	0	
	3	Automatic reduce of copy	Yes						No	0	0	0	0	OPTION
	4	Automatic reduce of receive	Yes						No	1	1	1	1	OPTION
		Reduce of copy		LTR	A4	LGL	100%							OPTION
	5		No. 5	0	0	1	1			1	1	1	1	
	6		No. 6	0	1	0	1			1	1	1	1	
		Reduce of receive		LTR	A4	LGL	100%							OPTION
	7		No. 7	0	0	1	1			1	1	1	1	
	8		No. 8	0	1	0	1			1	1	1	1	

SW NO.	DATA NO.	ITEM	Switch setting and function						Initial setting				Remarks
			1				0		TH	GU	SG	GH	
SW 11	1	Reserved							0	0	0	0	
	2	Reserved							0	0	0	0	
		DTMF detection time		50ms	80ms	100ms	120ms						
	3		No. 3	0	1	0	1		0	0	0	0	
	4		No. 4	0	0	1	1		0	0	0	0	
	5	Quiet detect start time	Binary input						0	0	0	0	
	6		8 4 2 1 (Binary)						1	1	1	1	
	7		No. = 5 6 7 8 (Bit No.)						0	0	0	0	
	8								1	1	1	1	
SW 12	1	Reserved							0	0	0	0	
		Section time of quiet detection		30s	40s	50s	60s						
	2		No. 2	0	0	1	1		0	0	0	0	
	3		No. 3	0	1	0	1		1	1	1	1	
	4	Quiet detect time	Binary input						0	0	0	0	
	5		16 8 4 2 1 (Binary)						0	0	0	0	
	6		No. = 4 5 6 7 8 (Bit No.)						1	1	1	1	
	7								0	0	0	0	
	8								0	0	0	0	
SW 13		Detection time in hook state by external telephone (on-off)		250ms	500ms	750ms	1000ms						
	1		No. 1	0	0	1	1		0	0	0	0	
	2		No. 2	0	1	0	1		0	0	0	0	
		Detection time in hook state by external telephone (off-on)		250ms	500ms	750ms	1000ms						
	3		No. 3	0	0	1	1		0	0	0	0	
	4		No. 4	0	1	0	1		1	1	1	1	
	5	Reserved							0	0	0	0	
	6	CI off detect time	350ms				700ms		0	0	0	0	(TH/GU only)
	7	Delay time before line connect	3s				0s		0	0	0	0	
	8	Collision detect duration after line connect	3s				1.7s		0	0	0	0	
SW 14	1	Reserved							0	0	0	0	
	2	Reserved							0	0	0	0	
	3	Reserved							0	0	0	0	
	4	Reserved							0	0	0	0	
		Modem speed		V.29		V.27ter							
				9600	7200	4800	2400						
	5			0	0	0	0		0	0	0	0	
	6			0	0	0	0		0	0	0	0	
	7			0	1	1	0		0	0	0	0	
	8			1	1	0	0		1	1	1	1	
SW 15	1	Reserved							0	0	0	0	
	2	DTMF detection	Cycletime 58ms off time 8ms				Cycletime 93ms off time 28ms		0	0	0	0	
	3	A.M. mode CNG detecting	No				Yes		0	0	0	0	
	4	Protect from echo	Yes				No		0	0	0	0	
	5	CNG detection time (lower duration)	ON 225ms OFF 2150ms				ON 325ms OFF 2450ms		0	0	0	0	
	6	CNG detection time (upper duration)	ON 775ms OFF 3850ms				ON 675ms OFF 3550ms		0	0	0	0	
		CNG detection number of times (A.M. mode)		1time	2times	3times	4times						
	7		No. 7	0	0	1	1		0	0	0	0	
	8		No. 8	0	1	0	1		1	1	1	1	

SW NO.	DATA NO.	ITEM	Switch setting and function								Initial setting				Remarks
			1					0			TH	GU	SG	GH	
SW 16	1	CNG detection number of times (TEL/FAX mode)	Twice					Once			1	1	1	1	
	2	Cover open buzzer	Off					On			0	0	0	0	
	3	Reserved									0	0	0	0	
	4	Check size error	No					Yes			0	0	0	0	
	5	Time format	24hours					12hours (AM, PM)			1	1	1	1	
		Date format		D.M.Y		M.D.Y		Y.M.D		JPN					D: Day
	6		No. 6	0		0		1		1	0	0	0	0	M: Month
	7		No. 7	0		1		0		1	0	0	0	0	Y: Year
	8	Continuation printing at the time of size error	Off					On			0	0	0	0	
SW 17	1	A4 paper enable	Enable					Disable			1	1	1	1	
	2	LEGAL paper enable	Enable					Disable			0	0	0	0	
	3	LETTER paper enable	Enable					Disable			0	0	0	0	
		Paper set size		LETTER		LEGAL		A4		–					
	4		No. 4	0		0		1		1	1	1	1	1	
	5		No. 5	0		1		0		1	0	0	0	0	
	6	Reserved									0	0	0	0	
	7	Reserved									0	0	0	0	
	8	Reserved									0	0	0	0	
SW 18	1	Cut off mode (COPY mode)	Yes					No			1	1	1	1	
	2	Reserved									0	0	0	0	
	3	Reserved									0	0	0	0	
	4	Reserved									0	0	0	0	
	5	Reserved									0	0	0	0	
	6	Reserved									0	0	0	0	
	7	Reserved									0	0	0	0	
	8	Reserved									0	0	0	0	
SW 19	1	Number of rings for auto receive	Binary input								0	0	0	0	OPTION
	2		8 4 2 1 (Binary)								0	0	0	0	
	3		No. = 1 2 3 4 (Bit No.)								0	0	0	0	
	4										1	1	1	1	
	5	Automatic switching from manual to automatic receive mode	Binary input								0	0	0	0	OPTION
	6		8 4 2 1 (Binary)								0	0	0	0	
	7		No. = 5 6 7 8 (Bit No.)								0	0	0	0	
	8										0	0	0	0	
SW 20	1	Pseudo-ringer transmission level (dBm)	Binary input								0	0	1	1	(SG/GH only)
	2		8 4 2 1 (Binary)								0	0	0	0	
	3		No. = 1 2 3 4 (Bit No.)								0	0	0	0	
	4										0	0	1	1	
	5	Reserved									0	0	0	0	
	6	Reserved									0	0	0	0	
	7	Reserved									0	0	0	0	
	8	Reserved									0	0	0	0	
SW 21	1	Reserved									0	0	0	0	
	2	Reserved									0	0	0	0	
	3	Reserved									0	0	0	0	
	4	Reserved									0	0	0	0	
	5	Reserved									0	0	0	0	
	6	Reserved									0	0	0	0	
	7	Reserved									0	0	0	0	
	8	Reserved									0	0	0	0	

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting				Remarks
			1	0	TH	GU	SG	GH	
SW 22	1	Reserved			0	0	0	0	
	2	Reserved			0	0	0	0	
	3	A.M. mode	No	Yes	0	0	0	0	
	4	A.M. mode selection	Parallel connection	EX. jack connection	0	0	0	0	(SG/GH only)
	5	Busy tone detection in TEL/FAX mode	No	Yes	0	0	0	0	(SG/GH only)
	6	Reserved			0	0	0	0	
	7	Reserved			0	0	0	0	
	8	Reserved			0	0	0	0	
SW 23	1	Reserved			0	0	0	0	
	2	Reserved			0	0	0	0	
	3	Reserved			0	0	0	0	
	4	Reserved			0	0	0	0	
	5	Reserved			0	0	0	0	
	6	Reserved			0	0	0	0	
	7	Reserved			0	0	0	0	
	8	Reserved			0	0	0	0	
SW 24	1	Equalization freeze control	On	Off	0	0	0	0	
	2	Equalization freeze acctive	All speed	7200bps only	0	0	0	0	
	3	TONE change mode for pulse dial	No	Yes	0	0	0	0	
	4	Reserved			0	0	0	0	
	5	Reserved			0	0	0	0	
	6	Reserved			0	0	0	0	
	7	Reserved			0	0	0	0	
	8	Reserved			0	0	0	0	
SW 25	1	STANDARD receive, list print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 1 2 3 4 (Bit No.)		0	0	0	0	
	2				0	0	0	0	
	3				0	0	0	0	
	4				0	0	0	0	
	5	STANDARD copy print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 5 6 7 8 (Bit No.)		0	0	0	0	
	6				0	0	0	0	
	7				0	0	0	0	
	8				0	0	0	0	
SW 26	1	FINE receive, list print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 1 2 3 4 (Bit No.)		0	0	0	0	
	2				1	1	1	1	
	3				0	0	0	0	
	4				1	1	1	1	
	5	FINE copy print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 5 6 7 8 (Bit No.)		0	0	0	0	
	6				0	0	0	0	
	7				0	0	0	0	
	8				0	0	0	0	
SW 27	1	HALF TONE receive, list print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 1 2 3 4 (Bit No.)		0	0	0	0	
	2				1	1	1	1	
	3				0	0	0	0	
	4				1	1	1	1	
	5	HALF TONE copy print (G.A table pointer)	Binary input 8 4 2 1 (Binary) No. = 5 6 7 8 (Bit No.)		0	0	0	0	
	6				0	0	0	0	
	7				0	0	0	0	
	8				1	1	1	1	

(TH/GU)

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting		Remarks
			1	0	TH	GU	
SW 28	1	DTMF signal transmission level of higher frequency (dBm)	Binary input		0	0	
	2		8 4 2 1 (Binary)		1	1	
	3		No. = 1 2 3 4 (Bit No.)		1	1	
	4				0	0	
	5	DTMF signal transmission level of lower frequency (dBm)	Binary input		0	1	
	6		8 4 2 1 (Binary)		1	0	
	7		No. = 5 6 7 8 (Bit No.)		1	0	
	8				1	0	

(SG/GH)

SW NO.	DATA NO.	ITEM	Switch setting and function						Initial setting		Remarks
			1			0			SG	GH	
SW 28	1	Speaker volume		Lower	Low	Middle	High	Higher			FUNCTION+ SPEAKER
	2		No. 1	0	1	1	1	1	1	1	
	3		No. 2	1	0	0	1	1	0	0	
			No. 3	1	0	1	0	1	1	1	
	4	Ringer volume		Low		Middle		High			OPTION
	5		No. 4	0		0		1	0	0	
			No. 5	0		1		0	1	1	
	6	Reserved							0	0	
	7	Reserved							0	0	
	8	Reserved							0	0	
SW 29	1	DTMF signal transmission level of higher frequency (dBm)	Binary input						0	0	
	2		8 4 2 1 (Binary)						1	1	
	3		No. = 1 2 3 4 (Bit No.)						0	1	
	4								0	0	
	5	DTMF signal transmission level of lower frequency (dBm)	Binary input						0	1	
	6		8 4 2 1 (Binary)						1	0	
	7		No. = 5 6 7 8 (Bit No.)						1	0	
	8								0	0	

• Soft switch function description

SW1 No. 1 Line density choice

If the [MODE] key is not operated during transmission, the screen quality is automatically selected. It is convenient to select the screen quality frequently used. Unless the [MODE] key is not operated during copying, the FINE mode will be selected.

0: Standard

1: Fine

SW1 No. 2 Remote receive control function

Used to set the function of remote reception (5**).

0: Yes

1: No

SW1 No. 3 Switching to reception when A.M. mode

Facsimile switched the reception after 6 rings with A.M. memory full.

0: No

1: Yes

SW1 No. 4 Activity report print

Whether the communication record table is automatically printed or not, it is selected if the number of communication data is excessive. Regardless of the setting of this selection, communication record table can be printed at all times by operating the keys.

FUNCTION"+"2"+"#"+"START"

When the communication record table is printed, the memorized content of the data sent and received up to now will be all cleared (erased). If No (non-printing) is set, the oldest data will be erased when the number of memorized items is excessive.

0: NO (first data lost when memory is full)

1: YES (when memory is full)

SW1 No. 5 CNG signal detection in stand-by mode

The CNG signal detection function during stand-by stops.

0: Yes

1: No

SW1 No. 6 R16 key function

A function of R16 key changes by registration mode of POLLING FUNCTION setting.

0: RAPID KEY

1: POLLING KEY

SW1 No. 7 Anti junk FAX

This function is used to receive data from a specific remote machine(station registered in entry mode). It is the function that refused a reception in the case that TSI of remote machine matched with fax number of the station registered.

0: No

1: Yes

SW1 No. 8 Automatic switching mode

This soft switch is used to set the auto tel/fax select mode or to set the normal fax mode.

0: Switching to fax only

1: TEL/FAX automatic switching

SW2 No. 1 Modem AGC

When this mode is enabled, if the reception signal level is under -31 dBm. The modem is self controls the signal gain automatically.

0: Enable

1: Disable

SW2 No. 2 Reception 4800 BPS fixed

Since the answer fax is provided in the user service of the bank, the same content will be sent several times if any error occurs during transfer. Therefore, 4800 BPS is selected for the receiving start speed alone in order to prevent an error from easily occurring. When sending is little but receiving from oversea is much, it is effective if any communication defect frequently occurs.

0: Not set.

1: Set.

SW2 No. 3 Telephone type

Switch the type according to the telephone circuit connected to the facsimile.

0: PULSE DIAL

1: TONE DIAL

SW2 No. 4 CED tone-signal interval

The pause time between CED signal and NSF signal is set. It is effective against the communication trouble which results from echo during oversea communication.

0: 75 ms

1: 500 ms

SW2 No. 5 Line equalizer

It is set according to the characteristics of the circuit. Though it is unnecessary to reset the ordinary setting, reset it if any communication trouble frequently occurs.

0: Not set. 0km

1: Set. 7.2km

SW2 No. 6 Reserved

Set to "0".

SW2 No. 7 Automatic cover sheet

The machine automatically generates a cover sheet and sends it as the last page of each transmission. The setting of registration has been given priority to even from the setting of this SW.

SW2 No. 8 Reserved

Set to "0".

SW3 No. 1 MAX. page length for transmit, receive and copy

The length of a document or record during copying or transmit/receiving is selected. As usual, the length of a document is limited at 1 m for copying/transmitting and at 1.5 m for receiving in order to prevent jamming. However, a long document such as a computer list is sometimes sent. In this case, the length of a document can be set to be limitless. (On the remote machine, it is also necessary to set the length to be limitless.)

0: 1 m for copy/transmit and 1.5 m for receive

1: Limitless

SW3 No. 2 Footer print

The footer is a communication record which is printed at the end of the received record (the bottom of the record). As usual, the information sent from the sending side is printed at the top as the head of the record. It will not be printed if this function is not equipped on the sending side. If the switch is set at 1 in this case, the communication record of the time and other items will be printed. (However, the time and other items are not always the same between the sender record and receiver record since they are individually set depending on the sender and receiver.)

0: Off

1: On

SW3 No. 3 Sender's phone number registration

Whether the registered sender's phone number can be changed or not is selected. If it is set at 1, the phone number of the sender can not be registered or changed. Set 1 in order to prevent careless change of the sender's phone number.

0: Changeable.

1: Not changeable.

SW3 No. 4 Total communication hours and pages print

Whether the total time of communication and the total number of sheets are recorded in the communication record table or not is selected.

0: Recorded.

1: Not recorded.

SW3 No. 5, No. 6 Reserved

Set to "0".

SW3 No. 7 CSI transmission

The CSI signal includes the phone number which is registered by the sender. The transmission of this signal may be selected.

0: Sent.

1: Not sent.

SW3 No. 8 Communication error treatment(reception) in RTN sending

This switch is provided to determine the communication error treatment if RTN is sent due to an error in the received image during G3 receiving. It will not be regarded as a communication error if it is set at "1".

0: Communication error.

1: Normal end.

SW4 No. 1 Protocol monitor 1

If set to "1", a communication error alone will be printed.

0: Not printed.

1: Printed during communication error alone.

SW4 No. 2 Dialling pause

A pause can be inserted in the telephone number of the direct/shortened dial. 4 seconds or 2 seconds are selected for one pause.

0: 2 seconds.

1: 4 seconds.

SW4 No. 3 Reserved

Set to "0".

SW4 No. 4 NSF receive acknowledge in G3 transmit mode

During G3 sending, DIS receiving is confirmed when DIS is detected two times or when NSF is received one time and DIS is received two times. Either is selected. If it is on, it is effective against a communication trouble due to echo during oversea communication.

0: One time for NSF and two times for DIS.

1: Two times.

SW4 No. 5 Non-modulation carrier in V29 transmission mode

Though any non-modulation carrier is unnecessary in the ITU-TS (CCITT) standard during sending with V29 modem, a non-modulation carrier can be sent prior to the image signal. If it is set at 1, it is effective against a communication trouble due to echo during oversea communication.

0: Not applied.

1: Applied.

SW4 No. 6 EOL detect timer

25 seconds or 13 seconds are selected for the detection timer of EOL (end of line). This is effective against communication trouble on a specific type of long EOL.

0: 13 seconds

1: 25 seconds

SW4 No. 7 Protocol monitor 0

Usually set it at 0. If it is set at 1, the communication state can be checked without using G3 tester or other device. During communication (sending/receiving or FSK data), the data is fetched into the special buffer. When the communication has ended, the data will be analyzed and printed out.

0: Not printed.

1: Continuously printed.

SW4 No. 8 Protocol monitor LCD

If it is set at "1", the status of the protocol will be displayed at LCD.

0: Not displayed.

1: Continuously displayed.

SW5 No. 1, No. 2 Fine and standard contrast control

The density level of auto and thick of the binary state (fine/standard) is set.

00: Standard

01: Light

10: Dark

11: Darker

SW5 No. 3, No. 4 Halftone contrast control

The density level of auto and thick of intermediate tone(halftone) is set.

00: Standard

01: Light

10: Dark

11: Darker

SW5 No. 5, No. 6 Character detection sensitivity setting in halftone mode

In the halftone mode, image area is separated from character area and processed separately to eliminate unclear character transmission. This switch is used to change the criteria of judgment of separation. When Strong (=1) is selected, more area is judged as character area, providing clearer characters. On the contrary however, edges of image area may be emphasized. It is advisable to restrict the use of this function only when clear characters must be transmitted, and to use the function of Weak (=0) for general use.

01: Weak

10: Strong

SW5 No. 7, No. 8 Reserved

Set to "0".

SW6 No. 1 ~ No. 3 Communication results printout (Transaction report)

Every communication, the result can be output. As usual, it is set to print the timer sending communication error alone. If No. 1: 0 No. 2: 1 and No. 3: 0 are set, printing is always on (printed even if it is normally ended).

000: Error, timer, memory sending, polling

001: Sending

010: Continuous printing

011: Not printed

100: Communication error

101: Sending and communication error

SW6 No. 4 Sender's information delivery

When it is set at 0, sender's name, sending page number and so on are automatically printed in the recording paper on the receiving side during transmission. Thus, the sender can be known on the receiving side.

0: Applied.

1: Not applied.

SW6 No. 5 ~ No. 8 Remote operation code figures by external telephone(0-9)

Remote operation codes can be changed from 0 through 9. if set to greater than 9, it defaults to 9. The is not changed and the new function becomes, number programmed plus.

0000: 0

1001: 9

SW7 No. 1 H2 mode

This switch decides that receiving is executed in the H2 mode (15 seconds transfer mode).

If it is set at 1 (OFF), communication will not be executed in this mode even though the sender is a H2 mode type.

0: Applied.

1: Not applied.

SW7 No. 2 ECM (MMH)

ECM SHARP's MH (MMH) mode enable or disable.
(MMH: Modified Modified Huffman)

0: Yes

1: No

SW7 No. 3 ECM mode

Used to determine ECM mode function. Refer to the following table.

SW7-3 ECM MODE		0	0	1	1
SW7-2 ECM MMH MODE		0	1	0	1
Compression method	ECM MMH mode	Yes	No	No	No
	ECM MH mode	Yes	Yes	No	No
	MH mode	Yes	Yes	Yes	Yes

SW7 No. 4 Reserved

Set to "0".

SW7 No. 5 ~ No. 8 Modem signal transmission level (dBm)

The attenuation ratio of the signal sending level from the modem is set.

0000: 0 dBm

↓

1111: -15 dBm

SW8 No. 1 ~ No. 4 Recall interval

Choice is made for redial interval for speed and rapid dials. Use a binary number to program this. If set to 0 accidentally, 2 will be assumed. If a number above 9 was entered, it will be set to 2. In this case, it has to be corrected.

0001: 1 minute

↓

1111: 15 minutes

SW8 No. 5 ~ No. 8 Recall times

A choice of redial attempts can be programmed. A binary number is used to program it. If set to 0 by accident, the redial number will be set to 5. If a number above 15 was set, it has to be corrected.

0001: 1 time

↓

1111: 15 times

SW9 No. 1, No. 2 Dummy ringer rumbling time at TEL/FAX automatic switching mode

The dummy ringer at TEL/FAX automatic switching mode is selectable.

00: 15 sec

01: 30 sec

10: 60 sec

11: 120 sec

SW9 No. 3 Busy tone detection continuation sound detect time

Selects detection of the continuous sound of 440Hz (SW11 No. 1) for 10 seconds or 5 seconds.

0: 5 seconds

1: 10 seconds

SW9 No. 4, No. 5 Number of busy tone detection pulse

Used to set detection of Busy Tone continuous sounds.

SW9 No. 6 Busy tone detection tine (lower duration)

The initial value of detection is set according to electric condition. The set value is changed according to the local switch board. (Erroneous detection of sound is reduced.) Normally the upper duration is set to 750 ms, and the lower duration to 200ms. If erroneous detection is caused by sound, etc. adjust the detection range. The lower duration can be set in the range of 350ms to 300ms.

SW9 No. 7 Busy tone detection time (upper duration)

Similarly to SW9 No. 6, the set value can be varied. The upper duration can be set in the range of 650ms to 750ms.

00: 200ms-750ms

01: 200ms-650ms

10: 350ms-750ms

11: 350ms-650ms

SW9 No. 8 Busy tone intermittent sound detection

Line off detection is set.

0: Yes

1: No

SW10 No. 1, No. 2 Beep length select

Choice is made for end-buzzer of copy or communication end.

00: 3 sec

01: 1 sec

10: No beep

SW10 No. 3 Automatic reduce of copy

If set to 1, It is reduced automatically without being related to SW10 No. 5, No. 6.

SW10 No. 4 Automatic reduce of receive

If set to 1, It is reduced automatically without begin related to SW10 No. 7, No. 8.

SW10 No. 5, No. 6 Reduce of copy

It is reduced with each reduction rate in accordance with a document size.

00: To print letter size document on record paper size sheet (SW17 No. 4, 5)

01: To print A4 size document on record paper size sheet (SW17 No. 4, 5)

10: To print legal size document on record paper size sheet (SW17 No. 4, 5)

11: 100% (not accordance)

SW10 No. 7, No. 8 Reduce of receive

Similarly to SW10 No. 5, No. 6.

SW11 No. 1 Reserved

Set to "0".

SW11 No. 2 Reserved

Set to "0".

SW11 No. 3, No. 4 DTMF detect time

Choose how long to detect the DTMF signal at remote receive.

00: 50ms

01: 80ms

10: 100ms

11: 120ms

SW11 No. 5 ~ No. 8 Quiet detect start time

Inserts a pause before commencing quiet detection.

0000: 0 seconds

1111: 15 seconds

SW12 No. 1 Reserved

Set to "0".

SW12 No. 2, No. 3 Section time of quiet detection

The switch which sets the time from the start of quiet detection function to the end of the function.

SW12 No. 4 ~ No. 8 Quiet detect time

When an answering machine is connected, if a no sound status is detected for a certain period of time, the machine judges it as a transmission from a facsimile machine and automatically switches to the FAX mode.

SW13 No. 1, No. 2 Detection time in hook state by external telephone (on-off)

Used to specify the duration for detection of the hook status of extension telephone. (to OFF hook from ON hook)

SW13 No. 3, No. 4 Detection time in hook state by external telephone (off-on)

Used to specify the duration for detection of the hook status of extension telephone. (to ON hook from OFF hook)

SW13 No. 5 Reserved

Set to "0".

SW13 No. 6 CI off detect time (TH/GU only)

Selects the detection time of the "OFF" section of CI signal. Usually, a short ring counts with 1 time.

0: 700ms

1: 350ms

SW13 No. 7 Delay time before line connect

Delay time between the dial key input and line connection under the auto dial mode.

SW13 No. 8 Collision detect duration after line connect

Delay time between the line connection and dial data output under the auto-dial mode.

SW14 No. 1 ~ No. 4 Reserved

Set to "0".

SW14 No. 5 ~ No. 8 Modem speed

The speed at which transmission is started is set. If any communication trouble frequently occurs, reduce the speed. Though the speed is automatically fallen back (the speed is reduced) according to the circuit conditions even if it is set at an ordinary speed of 9600 bps, the processing time will be shortened if this setting is applied.

0001: V29 9600BPS

0011: 7200BPS

0010: V27ter 4800BPS

0000: 2400BPS

SW15 No. 1 Reserved

Set to "0".

SW15 No. 2 DTMF detection

Used to choose the cycle time and off time. Normally set to 0. When the DTMF signal is not detected, you can set to 1. The DTMF detection is ignored.

SW15 No. 3 A.M. mode CNG detecting

Choice is made whether the CNG signal is not detected at A.M.(Answering Machine) mode.

0: Yes

1: No

SW15 No. 4 Protect from echo

Whether the echo countermeasure is taken for fax communication or not can be selected.

0: Not provided.

1: Provided.

SW15 No. 5 CNG detection time(lower duration)

Used to determine the lower limit of CNG detect time.

0: ON 325ms OFF 2450ms

1: ON 225ms OFF 2150ms

SW15 No. 6 CNG detection time(Upper duration)

Used to determine the upper limit of CNG detect time.

0: ON 675ms OFF 3550ms

1: ON 775ms OFF 3850ms

SW15 No. 7, No. 8 CNG detection number of times (A.M. mode)

Used to detect the CNG in 1 to 4 pulses in A.M. mode

SW16 No. 1 CNG detection number of times (TEL/FAX mode)

Used for detection of the CNG in one tone or two tones in the TEL/FAX automatic switching mode

0: Once

1: Twice

SW16 No. 2 Cover open buzzer

Used to warning buzzer when printer cover opened.

SW16 No. 3 Reserved

Set to "0".

SW16 No. 4 Check size error

To specity check or noncheck of record paper size.

SW16 No. 5 Time format

24-hours or 12-hours system is selected to display the time.

0: 12 hours (AM/PM)

1: 24 hours

SW16 No. 6, No. 7 Date format

The date display sequence of year, month and day is selected.

00: Day, month and year

01: Month, day and year

10: Year, month and day

11: Year, month and day (Month displayed in number)

SW16 No. 8 Continuation printing at the time of size error

Switch to select continuation or abort of print when size error occurs. Default setting: 0

0: Continue.

1: Abort.

SW17 No. 1 A4 paper enable

The use of record paper of A4 is enabled.

SW17 No. 2 LEGAL paper enable

The use of record paper of LEGAL is enabled

SW17 No. 3 LETTER paper enable

The use of record paper of LETTER is enabled

SW17 No. 4, No. 5 Paper set size

At present a size of the record paper.

00: LETTER

01: LEGAL

10: A4

SW17 No. 6 ~ No. 8 Reserved

Set to "0".

SW18 No. 1 Cut off mode (copy mode)

Whether the excessive part is printed on the next recording paper or discarded is selected to copy a document which is longer than the recording paper.

0: Continued. (printed on the next recording paper)

1: Cut off. (Discharged)

SW18 No. 2 ~ No. 8 Reserved

Set to "0".

SW19 No. 1 ~ No. 4 Number of rings for auto receive

The number of calls till the start of the receiving operation is set when automatic receiving is set.

0001: 1 time

↓

1001: 9 times

SW19 No. 5 ~ No. 8 Automatic switching from manual to automatic receive mode

Selects whether the receiving mode of facsimile is started or the manual receiving mode is kept as it is set since the automatic receiving can be automatically selected at the set number of calls.

0000: Not applied.

0001: 1 call

↓

1001: 9 calls

SW20 No. 1 ~ No. 4 Pseudo-ringer transmission level (dBm) (SG/GH only)

The level of pseudo-ringer transmission level to line can be adjusted.

0000: 0dBm

↓

1111: -15dBm

SW20 No. 5 ~ No. 8 Reserved

Set to "0".

SW21 No. 1 ~ No. 8 Reserved

Set to "0".

SW22 No. 1, No. 2 Reserved

Set to "0".

SW22 No. 3 A.M. mode

This is used to set YES/NO to enable or disable the A.M. mode.

SW22 No. 4 A.M. mode selection (SG/GH only)

This is select how to enter to A.M. mode. If select "0", A.M. mode is working after detecting answering machine hook-up.
If select "1", A.M. mode is working after detecting OGM of Answering machine.

SW22 No. 5 Busy tone detection in TEL/FAX mode (SG/GH only)

This is used to set YES/NO of line open by busy tone detection during answering machine connection mode operation.

SW22 No. 6 ~ No. 8 Reserved

Set to "0".

SW23 No. 1 ~ No. 8 Reserved

Set to "0".

SW24 No. 1 Equalization freeze control

This switch is used to perform reception operation by fixing the equalizer control of modem for the line which is always in unfavorable state and picture cannot be received. Usually, the control is executed according to the state of line where the equalizer setting is changed always.

SW24 No. 2 Equalization freeze active

Setting which specifies SW24 No.1 control only in condition of 7200bps modem speed.

SW24 No. 3 TONE change mode for pulse dial

When setting to 1, the mode is changed by pressing the ✳ key from the pulse dial mode to the tone dial mode.

SW24 No. 4 ~ No. 8 Reserved

Set to "0".

SW25 No. 1 ~ No. 4 STANDARD receive, list print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW25 No. 5 ~ No. 8 STANDARD copy print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW26 No. 1 ~ No. 4 FINE receive, list print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW26 No. 5 ~ No. 8 FINE copy print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW27 No. 1 ~ No. 4 HALFTONE receive, list print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW27 No. 5 ~ No. 8 HALFTONE copy print (G.A. table pointer)

The above switch is a table for print quality compensation. (for engineer test)

SW28 No. 1 ~ No. 4 DTMF signal transmission level of higher frequency (dBm) (TH/GU only)

The transmission level of DTMF signal is adjusted. (higher frequency)

0000: 0dBm

↓

1111: -15dBm

SW28 No. 5 ~ No. 8 DTMF signal transmission level of lower frequency (dBm) (TH/GU only)

The transmission level of DTMF signal is adjusted. (lower frequency)

0000: 0dBm

↓

1111: -15dBm

SW28 No. 1 ~ No. 3 Speaker volume (SG/GH only)

Used to adjust speaker volume. (5phase)

011: Lower

100: Low

101: Middle

110: High

111: Higher

SW28 No. 4, No. 5 Ringer volume (SG/GH only)

Used to adjust ringer volume. (3phase)

00: Low

01: Middle

10: High

SW28 No. 6 ~ No. 8 Reserved (SG/GH only)

Set to "0".

SW29 No. 1 ~ No. 4 DTMF signal transmission level of higher frequency (dBm) (SG/GH only)

The transmission level of DTMF signal is adjusted. (higher frequency)

0000: 0dBm

↓

1111: -15dBm

SW29 No. 5 ~ No. 8 DTMF signal transmission level of lower frequency (dBm) (SG/GH only)

The transmission level of DTMF signal is adjusted. (lower frequency)

0000: 0dBm

↓

1111: -15dBm

[3] Troubleshooting

1. Fax troubleshooting

Refer to the following actions to troubleshoot any of problems mentioned in 1-4.

[1] A communication error evoked.

[2] Image distortion produced.

[3] Unable to do overseas communication.

[4] Communication speed slow liable to failback.

- Increase the transmission level SOFT SWITCH 7-5 6 7 8
  Can be used in case [1] [2] [3]
- Decrease the transmission level SOFT SWITCH 7-5 6 7 8
  Can be used in case [3]
- Apply line equalization SOFT SWITCH 2-5
  Can be used in all cases.
- Slow down the transmission speed SOFT SWITCH 14-5 6 7 8
  Can be used in case [2] [3]
- Replace the LIU PWB.
  Can be used in all cases.
- Replace the control PWB.
  Can be used in all cases.

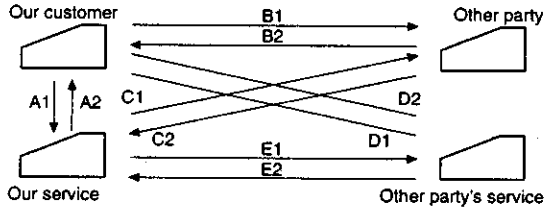
* If transmission problems still exist on the machine, use the following format and check the related matters.

TO: ATT: Ref.No. :

CC: ATT: Date :

FM: Dept :

Sign :

***** Facsimile communication problem *****			Ref.No.:
From: Mr.	Fax Tel No.:		Date:
Our customer	Name		Tel No.
	Address		Fax No.
	Contact person		Model name
Other party	Name		Tel No.
	Address		Fax No.
	Contact person		Model name
Problem mode	Line: Domestic/international	Mode: G3	Phase: A. B. C. D.
	Reception/Transmission	Automatic reception / Manual reception	
		Automatic dialing / Manual dialing / Others	
Frequency:	%	ROM version:	
Confirmation item		Please mark problem with an X No problem is: 0	

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2

Transmission level setting is ( ) dB at our customer

Transmission level ( ) dBm
Reception level ( ) dBm
By level meter at B1 and B2

Comment	
Counter-measure	

**** Please attach the G3 data and activity report on problem. ****

[4] ERROR CODE TABLE

1. Communication error code table

G3 Transmission

Code	Final received signal	Error Condition (Receiver side)
0	Incomplete signal frame	Cannot recognize bit stream after flag
1	NSF, DIS	Cannot recognize DCS signal by echo etc. Cannot recognize NSS signal (FIF code etc)
2	CFR	Disconnects line during reception (carrier missing etc)
3	FTT	Disconnects line by fall back
4	MCF	Disconnects line during reception of multi page Cannot recognize NSS, DCS signal in the case of mode change
5	PIP or PIN	The line is hung up without replying to telephone request from the receiving party.
6	RTN or RTP	Cannot recognize NSS, DCS signal after transmit RTN or RTP signal.
7	No signal or DCN	No response in receiver side or DCN signal received* (transmitter side)
8	–	Owing to error in some page the error could not be corrected although the specified number of error retransmission was at tempted.
11	–	Error occurred after or while reception by the remote (receiving) machine was revealed to be impossible.
12	–	Error occurred just after fallback.
13	–	Error occurred after a response to retransmission end command was received.

G3 Reception

Code	Final received signal	Error Condition (Receiver side)
0	Incomplete signal frame	Cannot recognize bit stream after flag
1	NSS, DCS	Cannot recognize CFR or FTT signal Disconnects line during transmission (line error)
2	NSC, DTC	Cannot recognize NSS signal (FIF code etc)
3	EOP	Cannot recognize MCF, PIP, PIN, RTN, RTP signal
4	EOM	Cannot recognize MCF, PIP, PIN, RTN, RTP signal in the case of mode change
5	MPS	The line is hung up without replying to communication request.
6	PR1-Q	Cannot recognize PIP, PIN signal in the case of TALK request
7	No signal or DCN	No response in transmitter (cannot recognize DIS signal) or DCN signal received* (receiver side)
8	–	Error occurred upon completion of reception of all pages.
9	–	Error occurred when mode was changed or Transmission/Reception switching was performed.
10	–	Error occurred during partial page or physical page reception.
11	–	Error occurred after or during inquiry from the remote (transmitting) machine as to whether reception is possible or not.
12	–	Error occurred during or just after fallback.
13	–	Error occurred after the retransmission end command was received.

ERROR CODE MESSAGE

- SUB CPU ERROR: I/F error and protocol error between main CPU and sub CPU
- HEATER ERROR : When the heater temperature is too high or too low or when the heater is turned off.

CHAPTER 3. MECHANICAL DESCRIPTION

[1] Mechanical description

1. Facsimile block

1-1. Document feed block and diagram

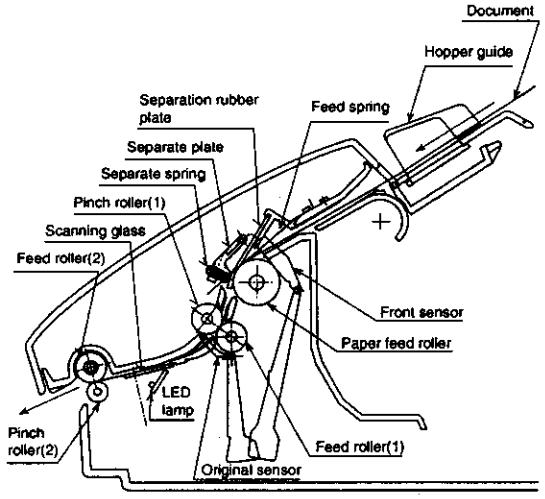


Fig. 1

2. Document feed operation

1) The document placed in the hopper actuates the document sensor. After one second, the pulse motor starts to drive the paper feed roller. The document is automatically taken up into the machine, and stopped at the document sensor.
2) When a specified number of pulses are received from the document sensor after the document lead edge is sensed, scanning is started.
3) When a specified number of pulses are received from the document sensor after the document rear edge is sensed, scanning is terminated and the document is fed through.
4) If the document sensor is active (i.e., another document is in the hopper), when the preceding document scanning is completed and and it is fed out, the next document is taken up into the machine. If the document sensor is not active (i.e., there is no document in the hopper), when the document is fed out, the operation is terminated.

3. Hopper mechanism

3-1. General view

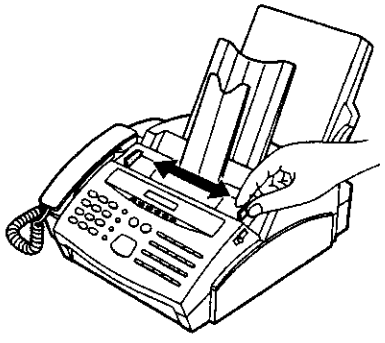


Fig. 2

The hopper is used to align documents with the document guides adjusted to the paper width.

NOTE: Adjust the document guides before and after inserting the document.

3-2. Automatic document feed

1) Use of the paper feed roller and separation rubber plate ensures error-free transport and separation of documents. The plate spring presses the document to the paper feed roller to assure smooth feeding of the document.
2) Document separation method: Separation rubber plate

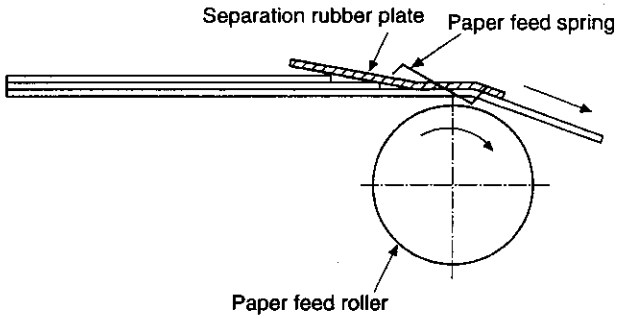


Fig. 3

3-3. Documents applicable for automatic feed

	4x6 series (788mm × 1091mm × 1000mm sheets)		Square meter series	
	Minimum	Maximum	Minimum	Maximum
Feeder capacity	20 sheets, max.			
Paper weight	45kg	64.3kg	52g/m^2	74.3g/m^2
Paper thickness (ref.)	0.06mm	0.09mm	0.06mm	0.09mm
Paper size	B6 (128mm × 182mm) ~ A4 (210mm × 297mm), Letter (216mm × 279mm)			
	Legal (216 × 356mm) 20 lb only			

NOTE: Double-side coated documents and documents on facsimile recording paper should be inserted manually. The document feed quantity may be changed according to the document thickness.

Documents corresponding to a paper weight heavier than 64.3kg (74.3g/m^2) and lighter than 135kg (157g/m^2) are acceptable for manual feed.

Documents heavier than 135kg in terms of the paper weight must be duplicated on a copier to make it operative in the facsimile.

3-4. Loading the documents

1) Make sure that the documents are of suitable size and thickness, and free from creases, folds, curls, wet glue, Wet ink, clips, staples and pins.
2) Place documents face down in the hopper.
   i) Adjust the document guides to the document size.
   ii) Align the top edge of documents and gently place them into the hopper. The first page under the stack will be taken up by the feed roller to get ready for transmission.

NOTES: 1) Curled edge of documents, if any, must be straighten out.
2) Do not load the documents of different sizes and/or thicknesses together.

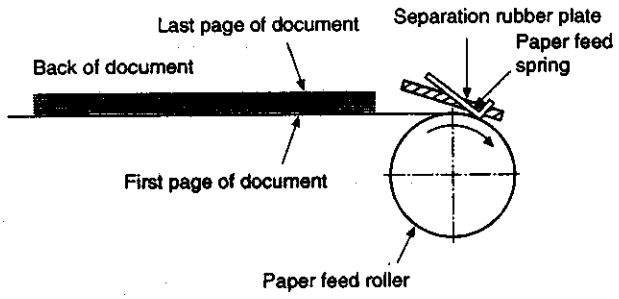


Fig. 4

3-5. Documents requiring use of document carrier

1) Documents smaller than B6 (128mm x 182mm).
2) Documents thinner than the thickness of 0.06mm.
3) Documents containing creases, folds, or curls, especially those whose surface is curled (maximum allowable curl is 5mm).
4) Documents containing tears.
5) Carbon-backed documents. (Insert a white sheet of paper between the carbon back and the document carrier to avoid transfer of carbon to the carrier.)
6) Documents containing an easily separable writing material (e.g., those written with a lead pencil).
7) Transparent documents.
8) Folded or glued documents.

Document in document carrier should be inserted manually into the feeder.

4. Optical system

(1) General view

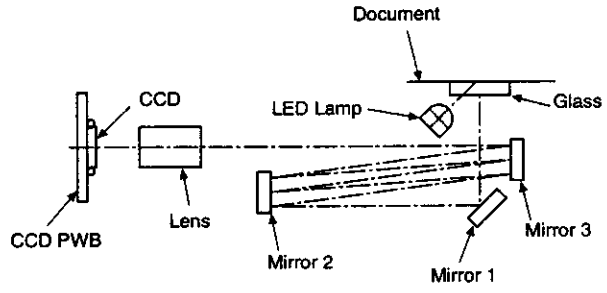


Fig. 5

(2) Composition

The optical system is composed of the document feed mechanism, the lamp, the reflecting mirrors, the focusing lens, the CCD sensor, and the read process circuit.

4-1. LED Lamp

The LED lamp is used to expose the document.

4-2. Lens

The lens is used to focus the light reflected from the document on the CCD elements.

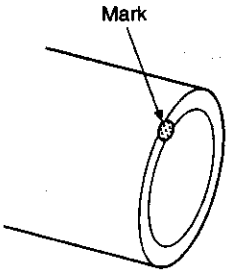


Fig. 6

4-3. CCD

The CCD (charge coupled device) image sensor consists of a photodiode array which converts the intensity of light reflected from the document surface into series of analog voltages which are then stored in an analog shift register. The series of analog voltages are then converted into a digital equivalent by a black/white binary logic circuit.

(Example) Scan signal output waveform

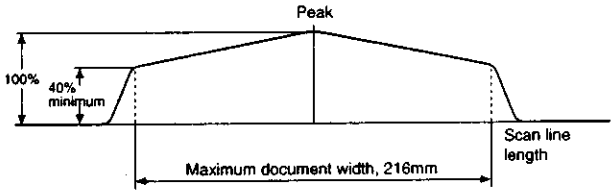


Fig. 7

1) The minimum output from the CCD at the maximum scan width of document (216mm) must be more than 40% of the peak value.
2) The peak output must be about 200mV under room temperature to avoid CCD saturation.

[2] Disassembly and assembly procedures

- This chapter mainly describes the disassembly procedures. For the assembly procedures, reverse the disassembly procedures.
- Easy and simple disassembly/assembly procedures of some parts and units are omitted. For disassembly and assembly of such parts and units, refer to the Parts List.
- The numbers in the illustration, the parts list and the flowchart in a same section are common to each other.
- To assure reliability of the product, the disassembly and the assembly procedures should be performed carefully and deliberately.
- Before turning over the machine and removing the bottom plate for servicing, be sure to remove the drum and toner cartridge, and remove the toner falling inside the printer with a vacuum cleaner. (See page 3-7.)

1 Handset cover

a. Remove the handset cover from the mechanism unit according to the flowchart.

Parts list (Fig. 1)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3x10)	3
3	Connector	1
4	Handset cover	1

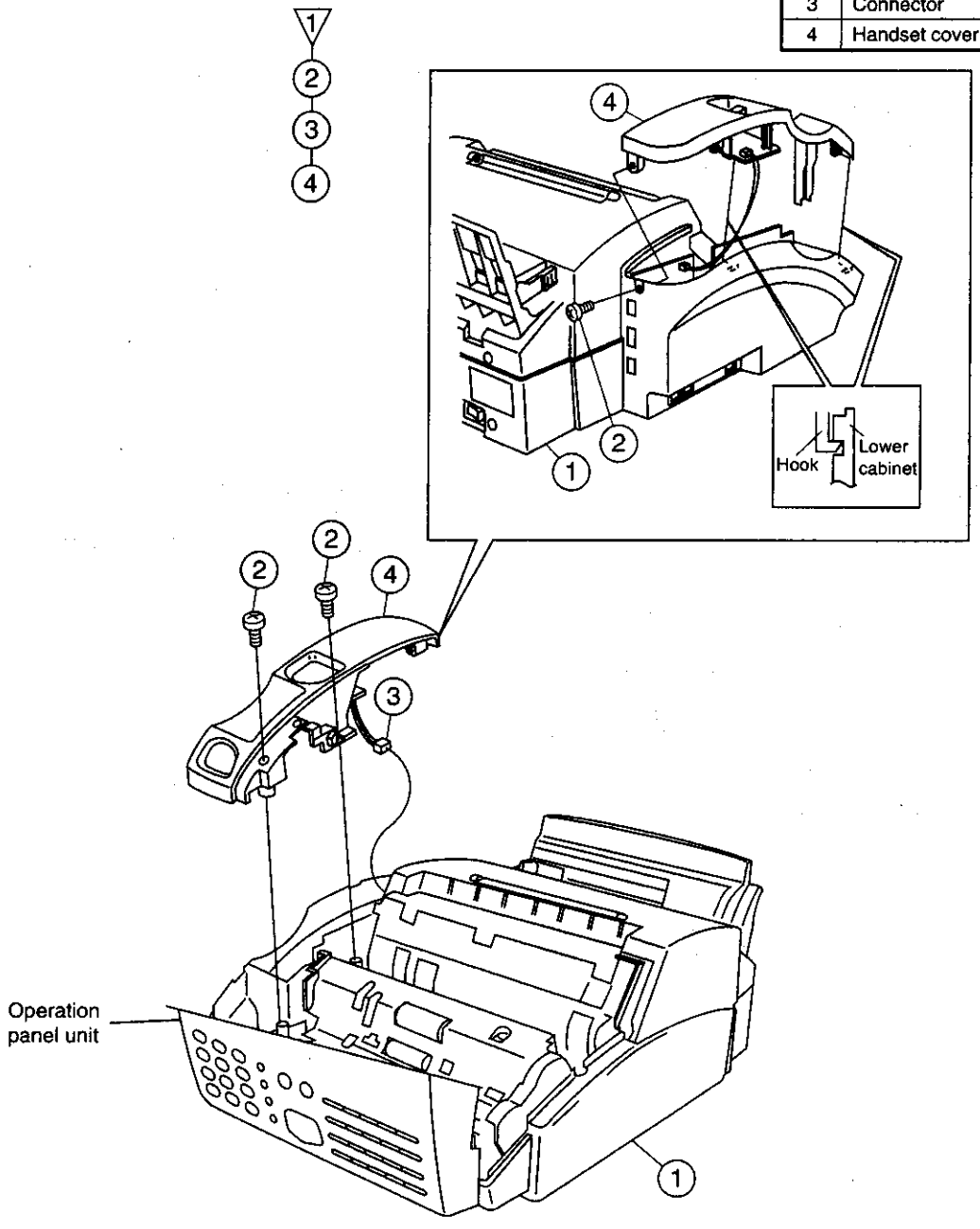


Fig. 1

2 FD guide unit

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the flowchart.

Parts list (Fig. 2)

No.	Part name	Q'ty
1	Mechanism unit	1
2	FD guide unit	1
3	Pinch roller	3
4	Screw (2.6×8)	2
5	Shading plate	1
6	FD guide	1

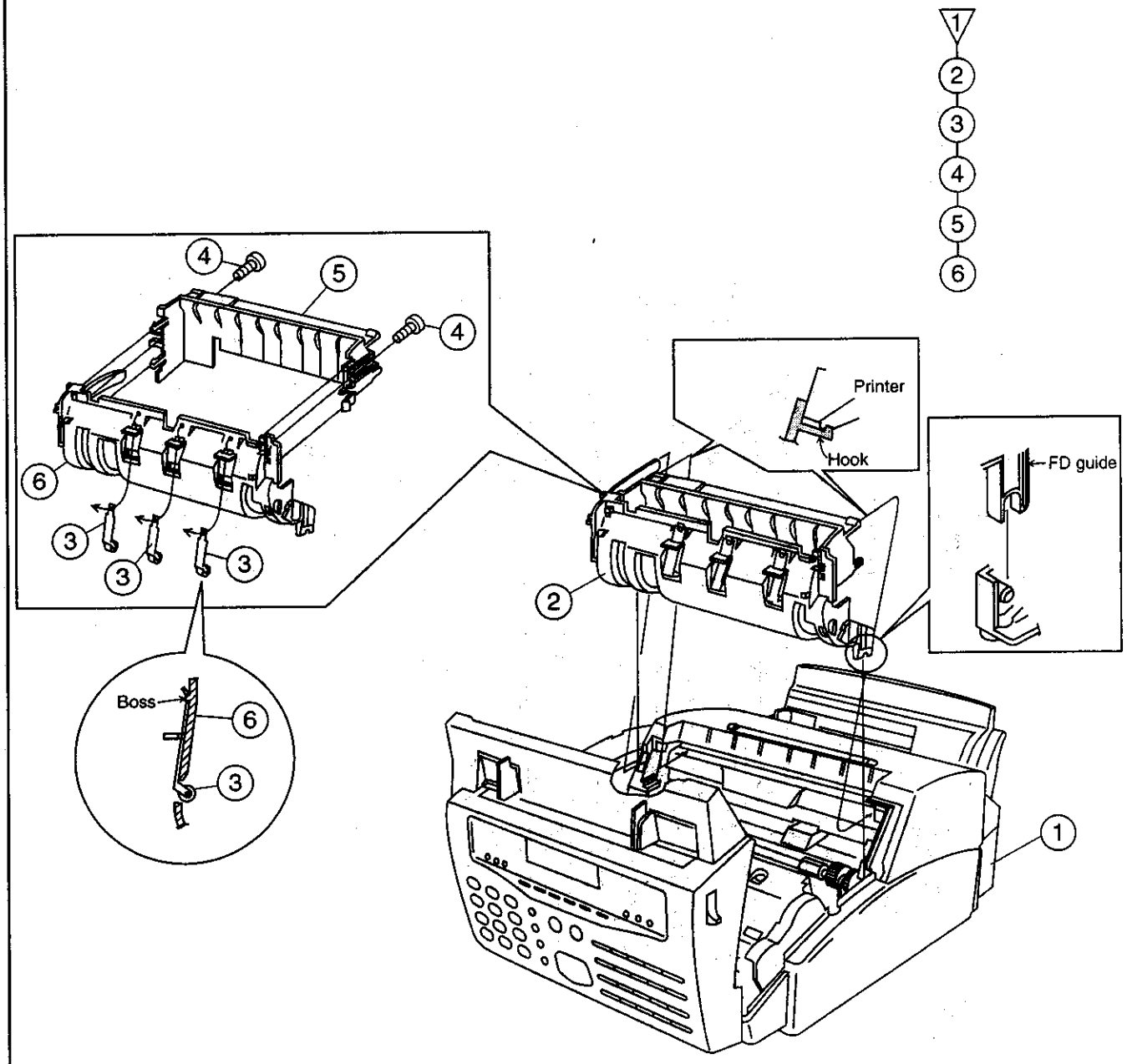


Fig. 2

3 Document guide lower and ROM cover

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to the flowchart.

Parts list (Fig. 3)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3×10)	1
3	ROM cover	1
4	Screw (3×10)	4
5	Document guide lower	1

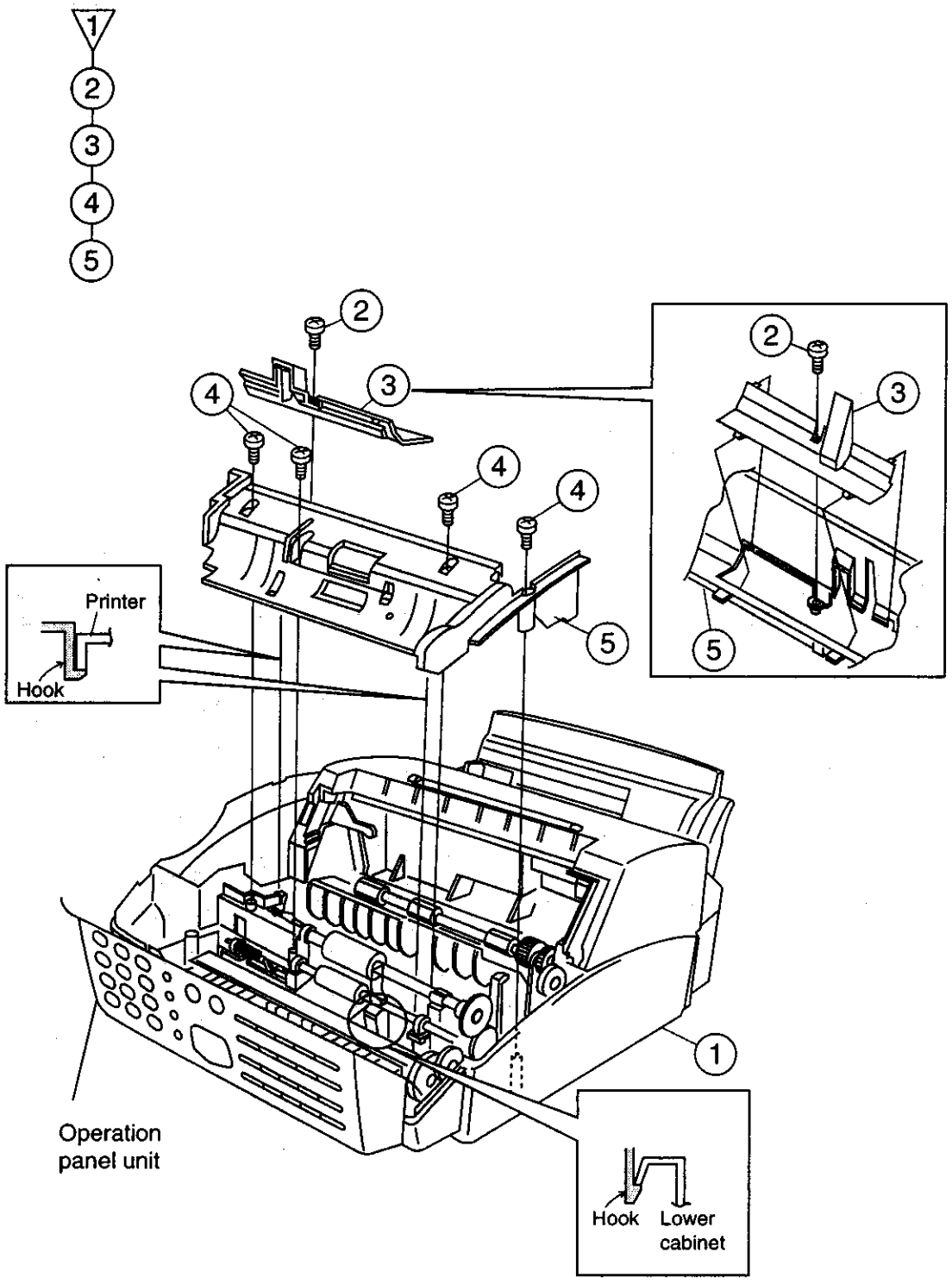


Fig. 3

4 Upper cabinet

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to the flowchart.

Parts list (Fig. 4)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3×10)	3
3	Upper cabinet	1

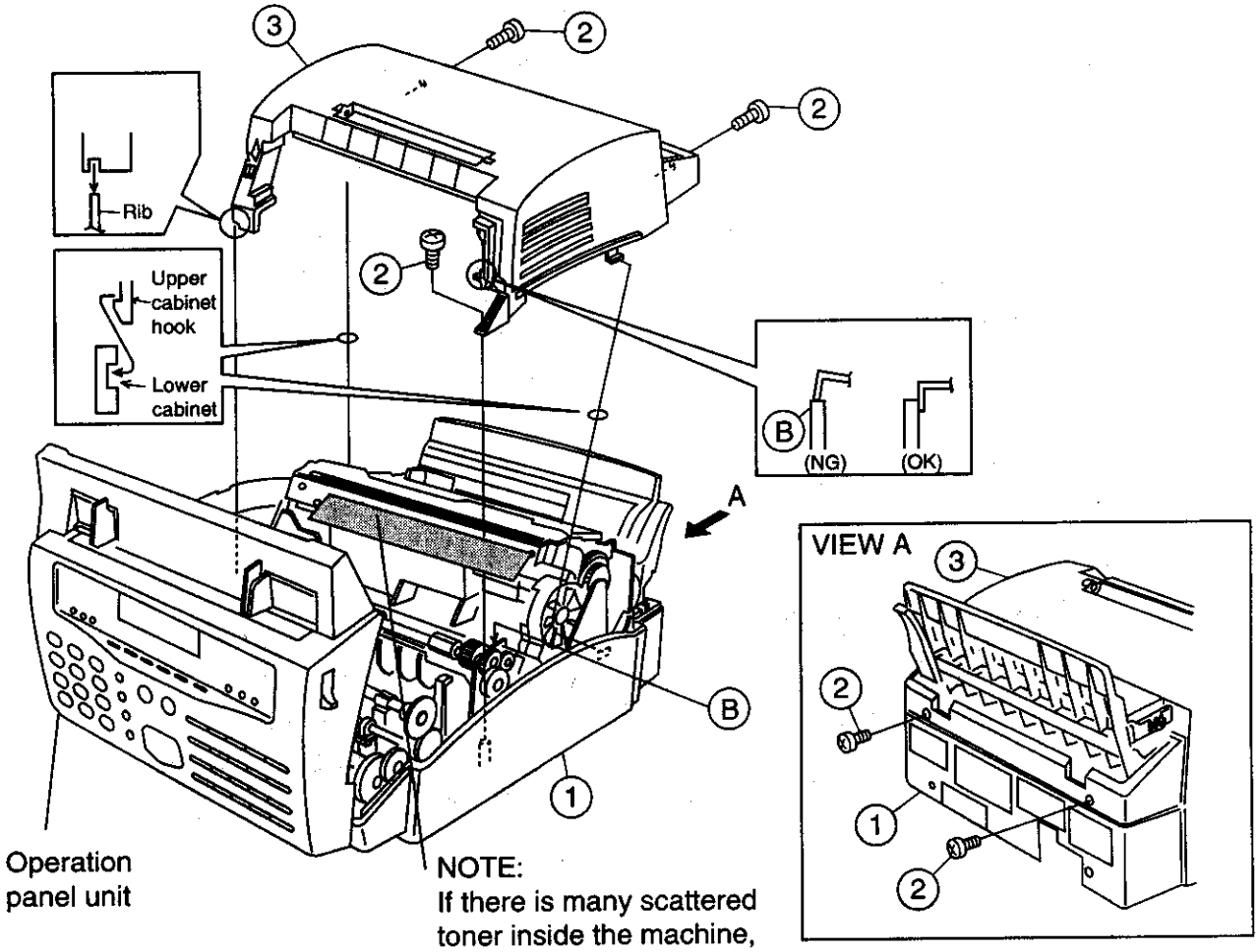


Fig. 4

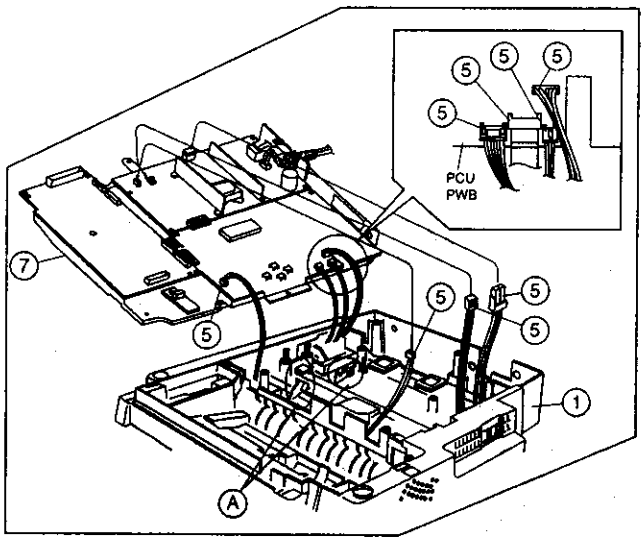
5 Bottom plate ass'y

NOTE: When removing the bottom plate ass'y, be sure to remove the drum and cartridge in advance, and remove the toner falling inside the printer with a vacuum cleaner.

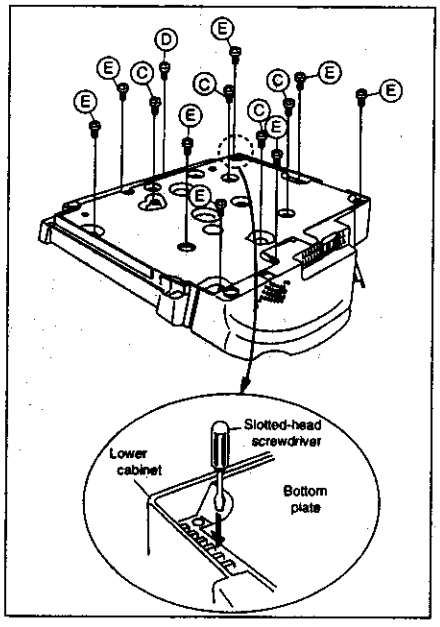
a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to procedure 4-d.
e. Remove the bottom plate ass'y from the mechanism unit according to the flowchart.

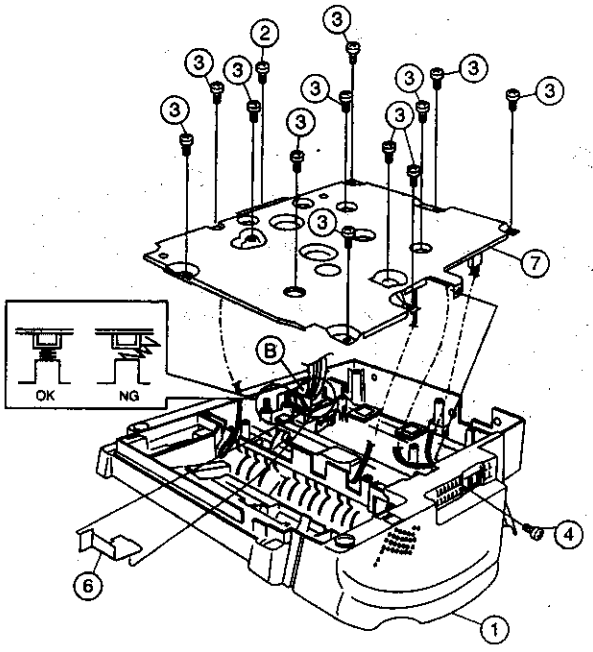
Parts list (Fig. 5)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3×8)	1
3	Screw (3×10)	12
4	Screw (3×12)	1
5	Connector	8
6	Cable sheet	1
7	Bottom plate ass'y	1



CAUTION:
1. Tilt the front sensor lever and document sensor lever Ⓐ shown in the figure in the arrow direction.
2. Carefully arrange wires.
3. Be carefully not to deform the plate spring Ⓑ shown in the figure.





NOTE:
1. First, tighten the screws Ⓒ and Ⓓ (the printer and bottom plate are fixed).
2. Keeping the front end of slotted-head screwdriver inserted into the gap between the bottom plate shown in the figure and the lower cabinet, tighten the remaining 8 screws Ⓔ (the lower cabinet and bottom plate are fixed).

Fig. 5

6 Printer unit

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to procedure 4-d.
e. Remove the bottom plate ass'y from the mechanism unit according to procedure 5-e.
f. Remove the printer unit from the mechanism unit according to the flowchart.

Parts list (Fig. 6)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3×6)	1
3	Printer unit	1

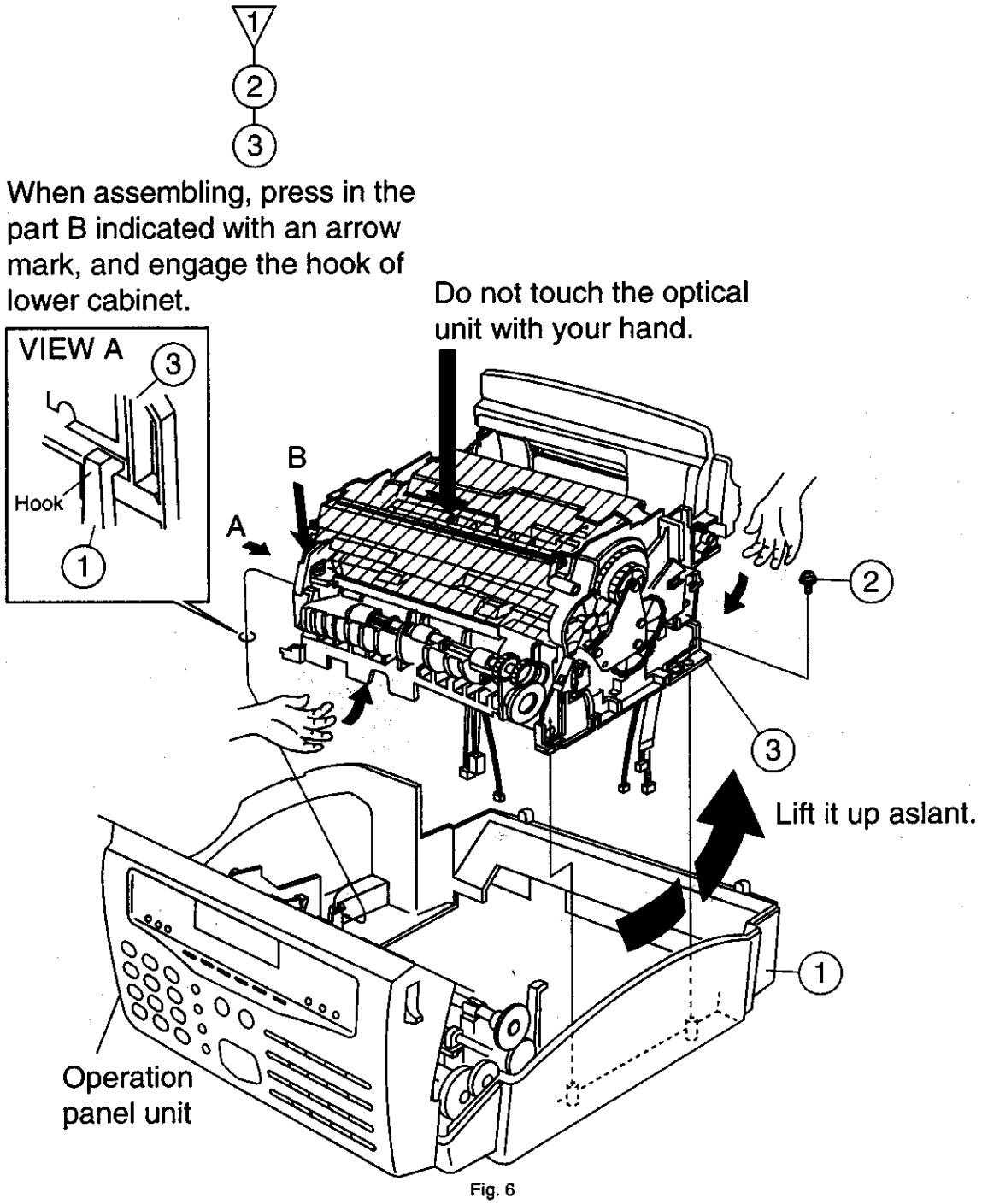


Fig. 6

7 Transfer roller etc. and speaker

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to procedure 4-d.
e. Remove the bottom plate ass'y from the mechanism unit according to procedure 5-e.
f. Remove the print unit from the mechanism unit according to procedure 6-f.
g. Remove the transfer roller etc. and speaker from the mechanism unit according to the flowchart.

Parts list (Fig. 7)

No.	Part name	Q'ty	No.	Part name	Q'ty
1	Mechanism unit	1	12	Motor heat sink	1
2	Bearing	1	13	Reduction gear	2
3	Paper feed roller	1	14	Slowdown	1
4	Paper feed gear	1	15	Ider gear	1
5	Bearing	1	16	Motor plate	1
6	Transfer roller	1	17	Front sensor lever	1
7	Transfer gear	1	18	Font sensor lever spring	1
8	Screw (3×10)	2	19	Document sensor lever	1
9	Drive unit	1	20	Document sensor lever spring	1
10	Screw (3×6)	2	21	Connector	1
11	Motor	1	22	Speaker	1

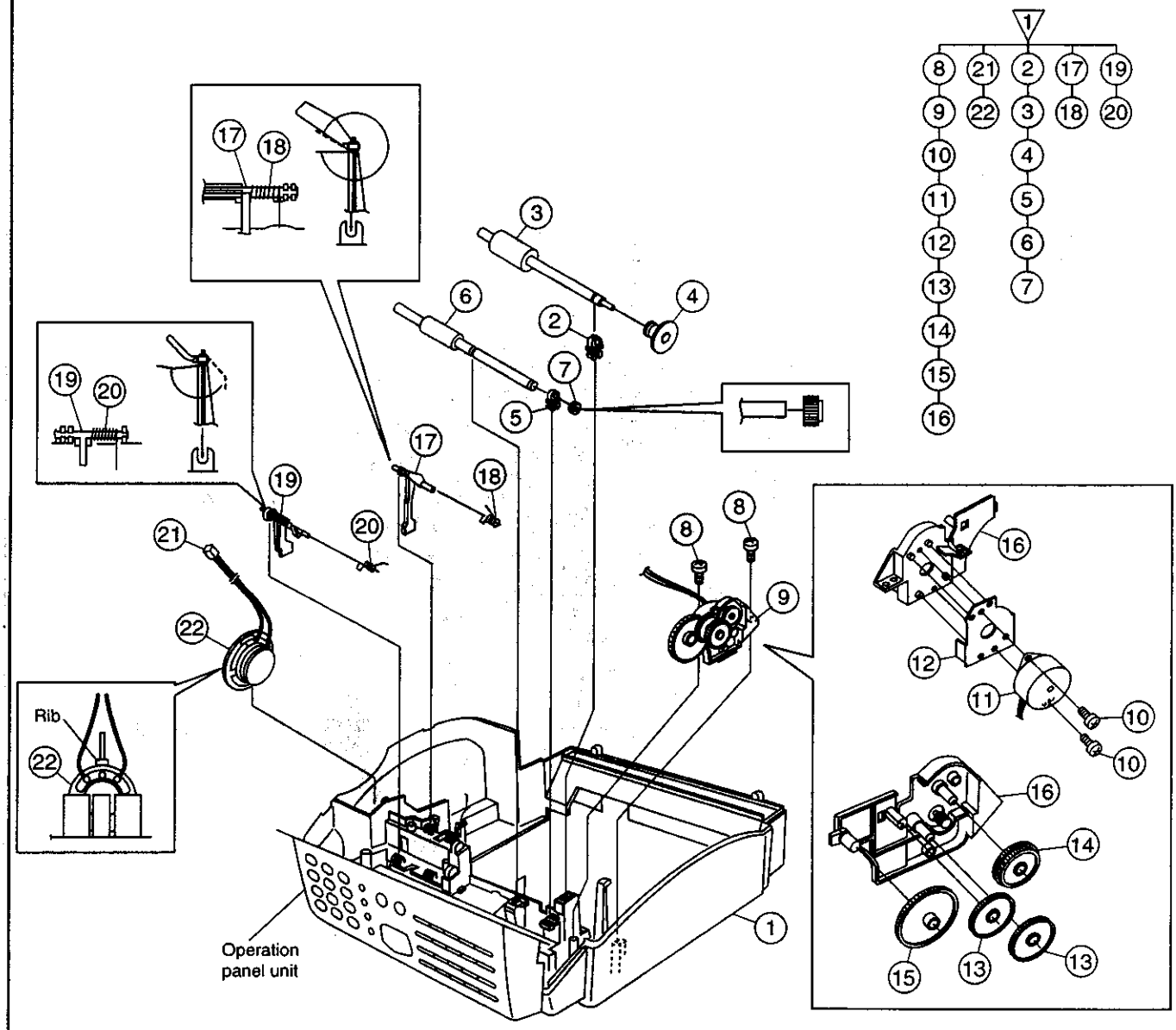


Fig. 7

8 Operation panel unit

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to procedure 4-d.
e. Remove the bottom plate ass'y from the mechanism unit according to procedure 5-e.
f. Remove the print unit from the mechanism unit according to procedure 6-f.
g. Remove the transfer roller etc. and speaker from the mechanism unit according to procedure 7-g.
h. Remove the operation panel unit from the mechanism unit according to the flowchart.

Parts list (Fig. 8)

No.	Part name	Q'ty
1	Mechanism unit	1
2	Screw (3x10)	1
3	Earth cable	1
4	Operation panel unit	1

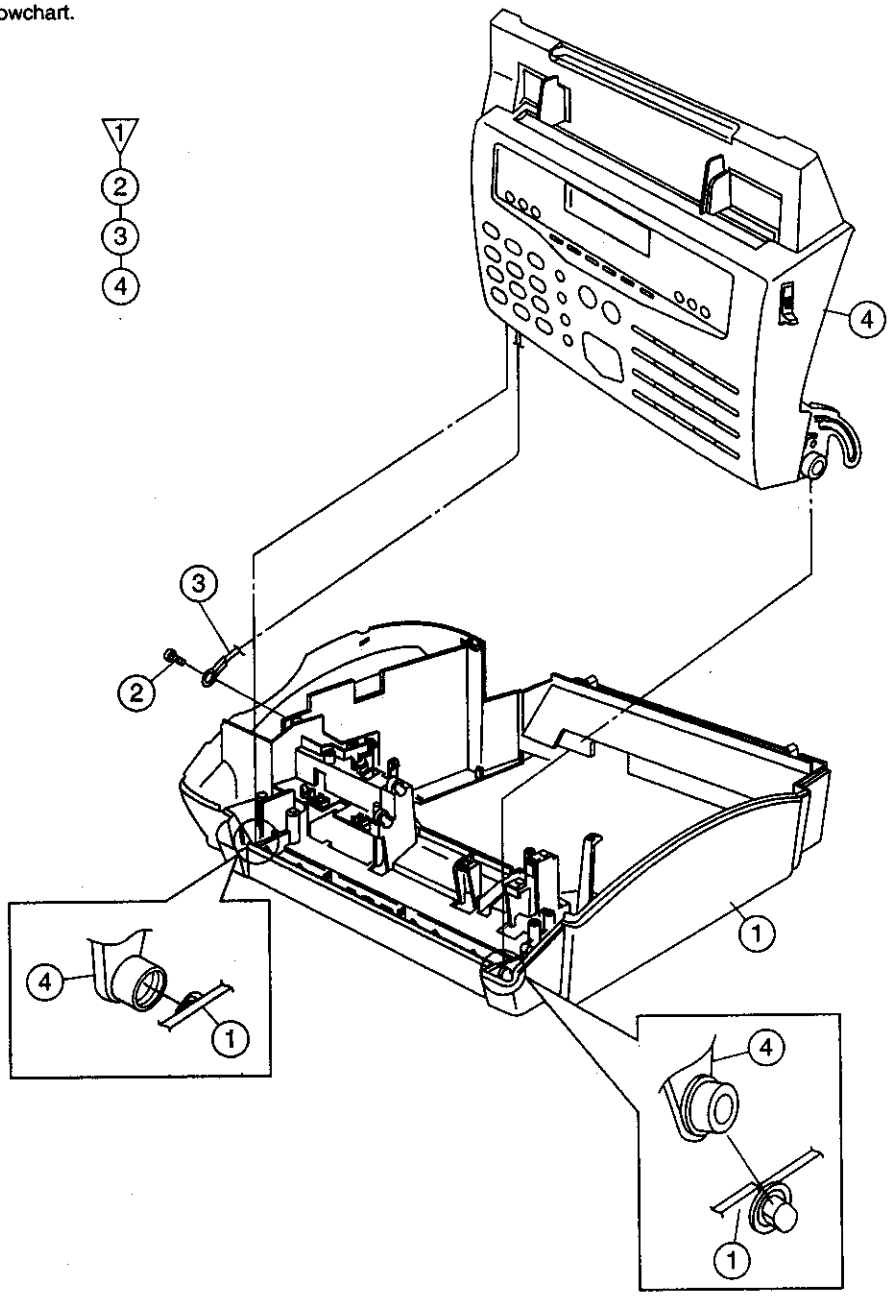


Fig. 8

9 Document guide upper unit

a. Remove the operation panel unit from the mechanism unit according to procedure 8-h.
b. Remove the document guide upper unit from the operation panel unit according to the flowchart.

Parts list (Fig. 9)

No.	Part name	Q'ty
1	Operation panel unit	1
2	Screw (3×8)	4
3	Screw (3×8)	1
4	Panel up spring	1
5	Transfer gear	1
6	Bearing	2
7	Transfer roller	1
8	Rear sheet	1
9	Release lever return spring	1
10	Release lever	1
11	Document guide upper unit	1

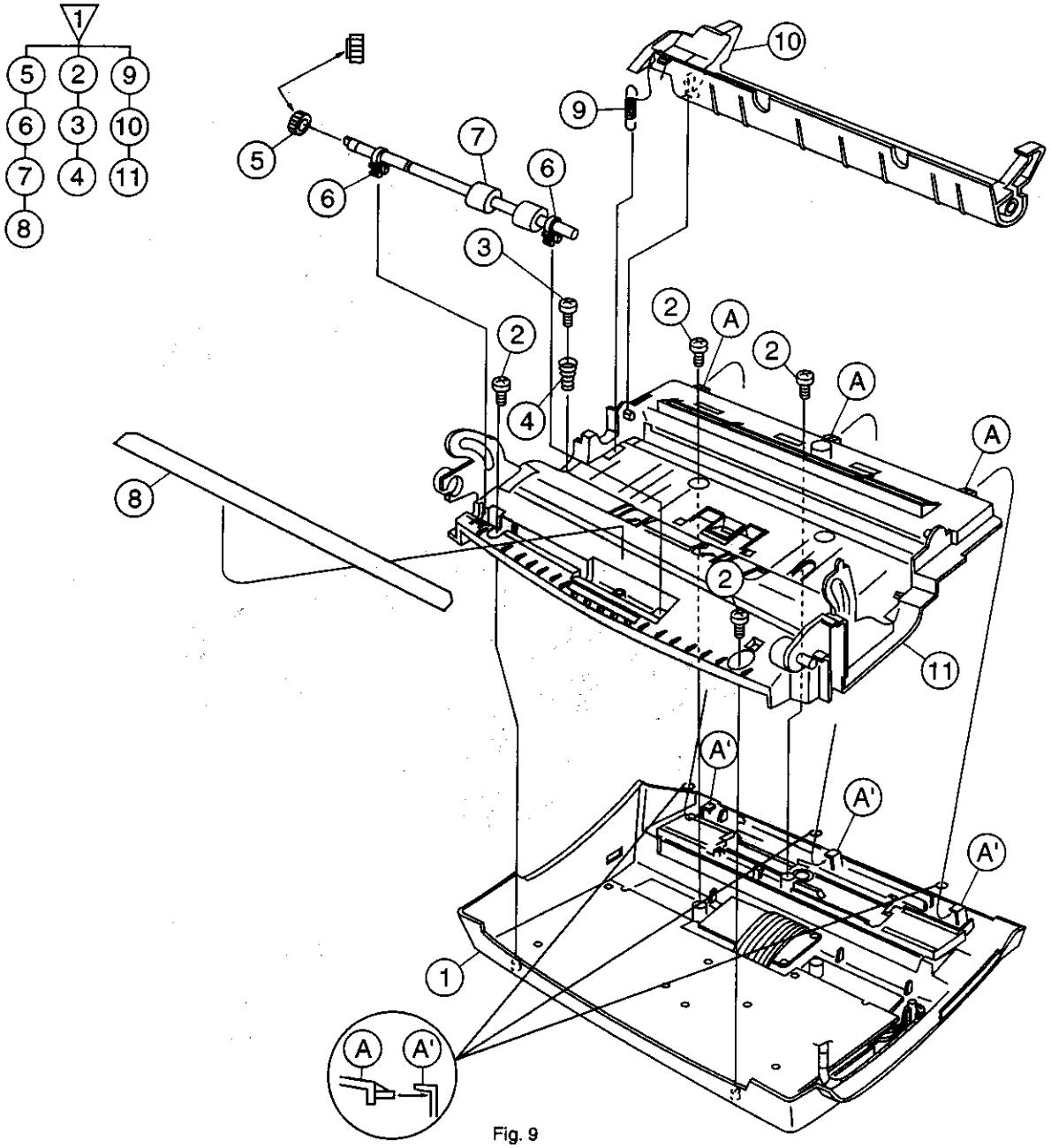


Fig. 9

10 Operation panel and document guide upper

a. Remove the operation panel unit from the mechanism unit according to procedure 8-h.
b. Remove the document guide upper unit from the operation panel unit according to procedure 9-b.
c. Remove the operation panel and document guide upper from the operation panel unit according to the flowchart.

Parts list (Fig. 10)

No.	Part name	Q'ty	No.	Part name	Q'ty
1	Screw (3×6)	1	16	Operation panel	1
2	Pinion gear	1	17	Pinch roller spring	2
3	Hoper spring	1	18	Pinch roller shaft	1
4	Hoper guide, right	1	19	Pinch roller	2
5	Hoper guide, left	1	20	Separator spring	1
6	Screw (2×6)	10	21	Separator plate	1
7	Connector	1	23	Separator rubber	1
8	Panel PWB unit	1	24	Paper feed spring	1
9	Mode key	1	25	Screw (3×6)	1
10	Direct key	1	26	Earth cable	1
11	12 key	1	27	Earth sheet	1
12	Stop key	1	28	Electro-static discharger brush	1
13	Copy key	1			
14	Start key	1	29	Document guide upper	1
15	Release knob	1			

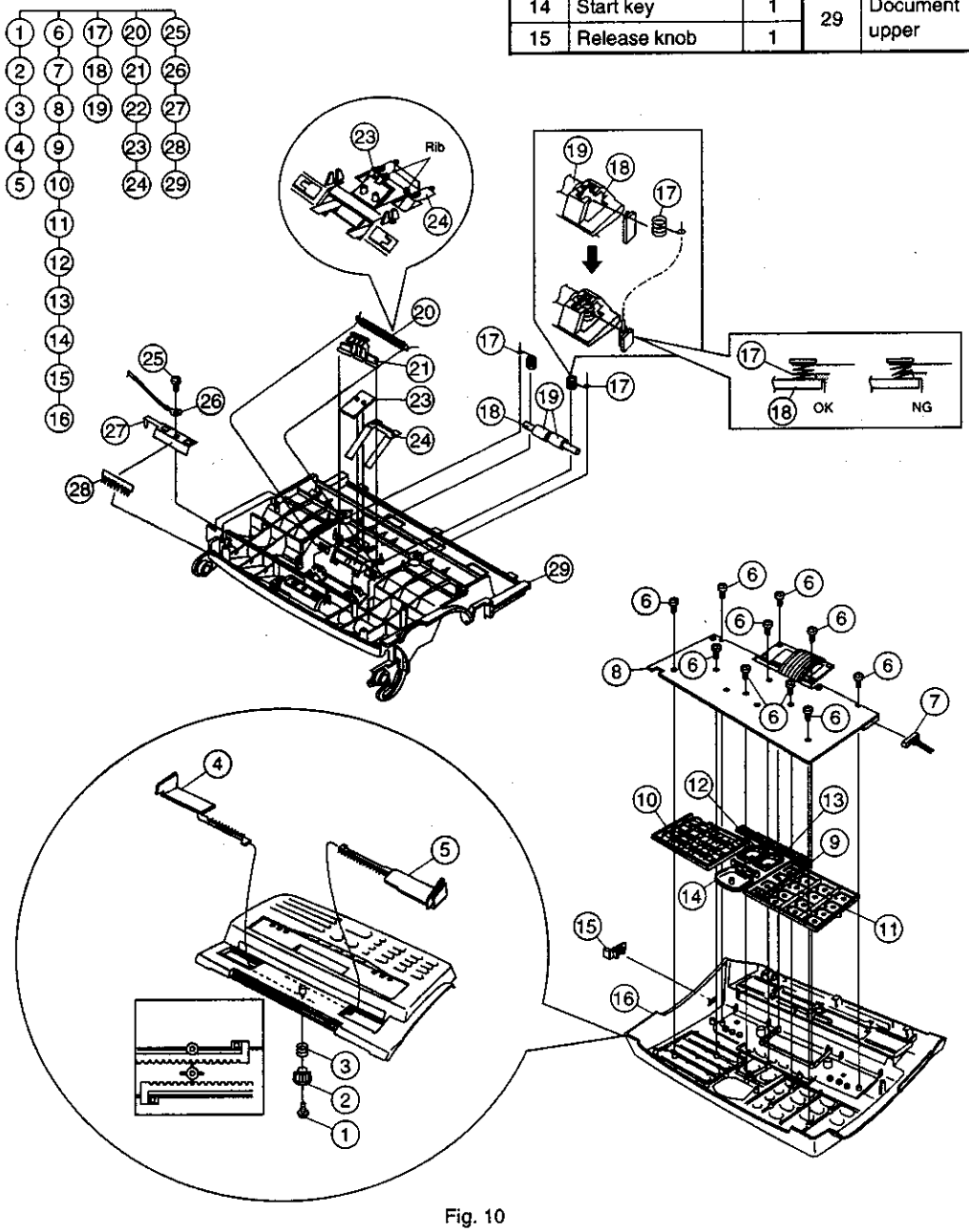


Fig. 10

11 Optical system unit

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the FD guide unit from the mechanism unit according to the procedure 2-b.
c. Remove the document guide lower and ROM cover from the mechanism unit according to procedure 3-c.
d. Remove the upper cabinet from the mechanism unit according to procedure 4-d.
e. Remove the bottom plate ass'y from the mechanism unit according to procedure 5-e.
f. Remove the print unit from the mechanism unit according to procedure 6-f.
g. Remove the transfer roller etc. and speaker from the mechanism unit according to procedure 7-g.
h. Remove the optical system unit from the mechanism unit according to the flowchart.

<Note> Never remove the CCD PWB, the lens, and the lens holding spring except when replacing or adjusting the optical system. If they are removed, adjustments of the optical system is required.

Parts list (Fig. 11)

No.	Part name	Q'ty	No.	Part name	Q'ty
1	Mechanism unit	1	11	Reader glass	1
2	Pinch spring	1	12	Screw (2×6)	3
3	Pinch roller	1	13	LED	1
4	Optical system unit	1	14	Screw (3×4)	2
5	Screw	2	15	Mirror spring 2	1
6	CCD PWB unit	1	16	Mirror spring 1	1
7	Shading sheet	1	17	Mirror 1	1
8	Screw (3×6)	2	18	Mirror 2	2
9	Lens holding spring	1	19	Dustproof sheet	2
10	Lens	1	20	Optical frame	1

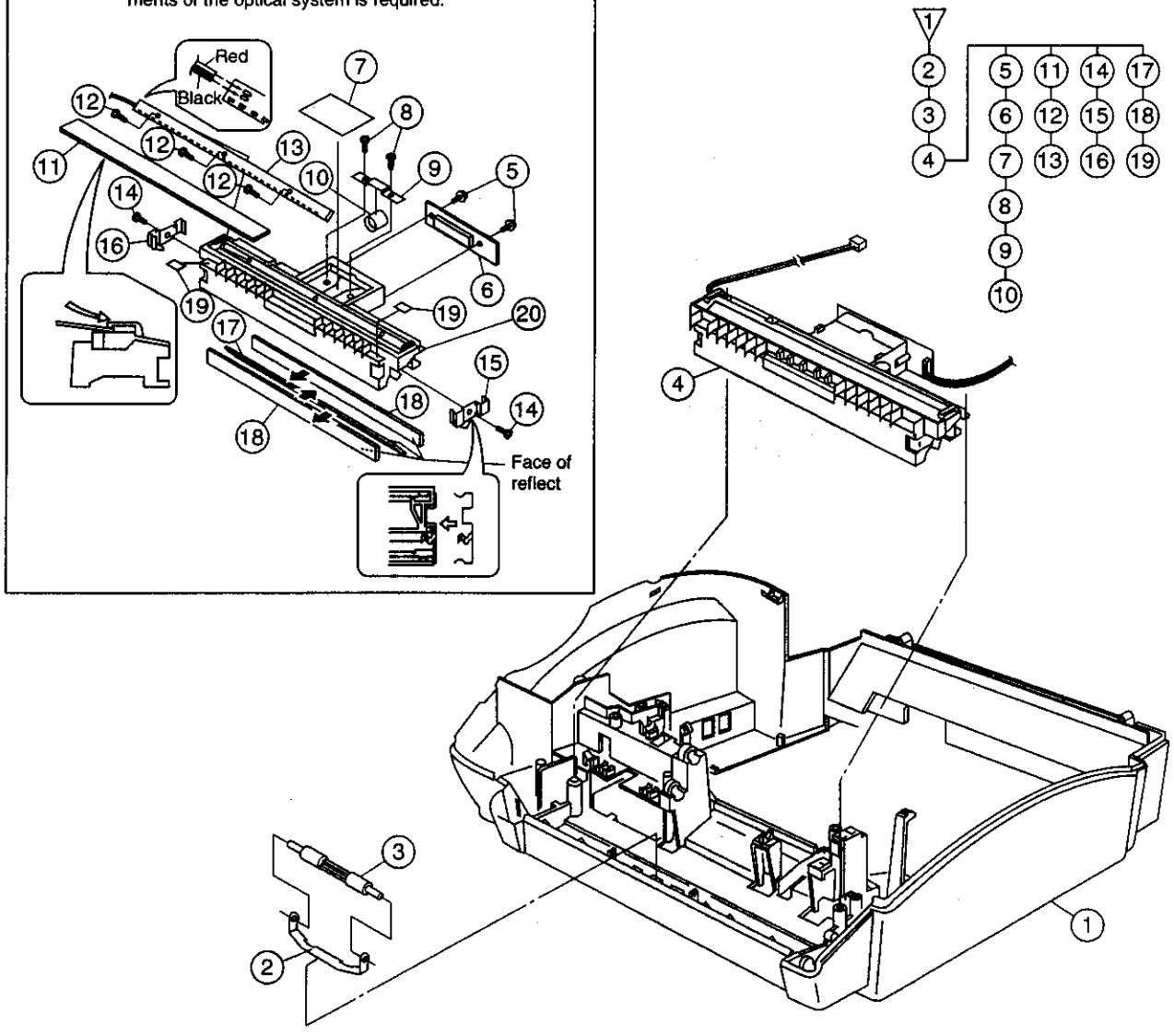


Fig. 11

12 PWB section

a. Remove the handset cover from the mechanism unit according to procedure 1-a.
b. Remove the bottom plate ass'y from the mechanism unit according to procedure 5-e.
c. Remove the PWB's and AC cord to the flowchart.

Parts list (Fig. 12)

No.	Part name	Q'ty	No.	Part name	Q'ty
1	Handset cover	1	11	Screw (3×5)	7
2	Screw (3×8)	1	12	Screw (3×6)	1
3	Hook switch PWB unit	1	13	Control PWB unit	1
			14	Power supply PWB unit	1
4	Hook switch lever	1			
5	Mechanism unit	1	15	PCU PWB unit(1/2)	1
6	Screw (3×12)	1	16	Insulation sheet	1
7	TEL/LIU PWB unit	1	17	PWB spacer	1
8	Bottom plate	1	18	Screw (3×5)	1
9	Screw (4×8)	1	19	PCU PWB unit(2/2)	1
10	AC cord	1	20	Insulation sheet	1

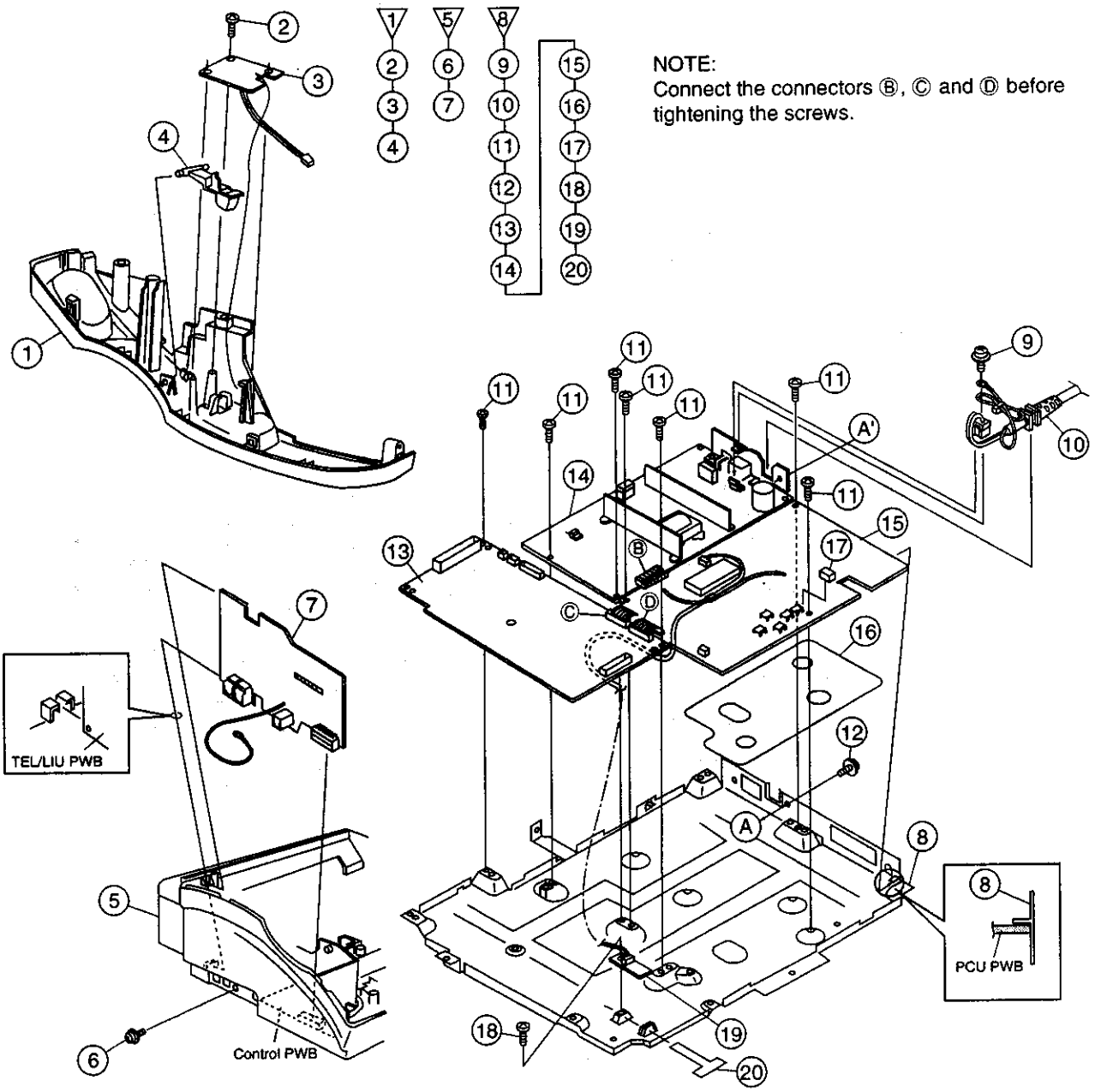


Fig. 12

13 Wire treatment

a. Perform wire treatment carefully and deliberately.
b. For wire treatment procedures which are not described in this section, refer to the section for that portion of the unit.

Parts list (Fig. 13)

No.	Part name	Q'ty
1	Band (100 mm)	3
2	Core	1
3	Core	1
4	Band (140 mm)	1

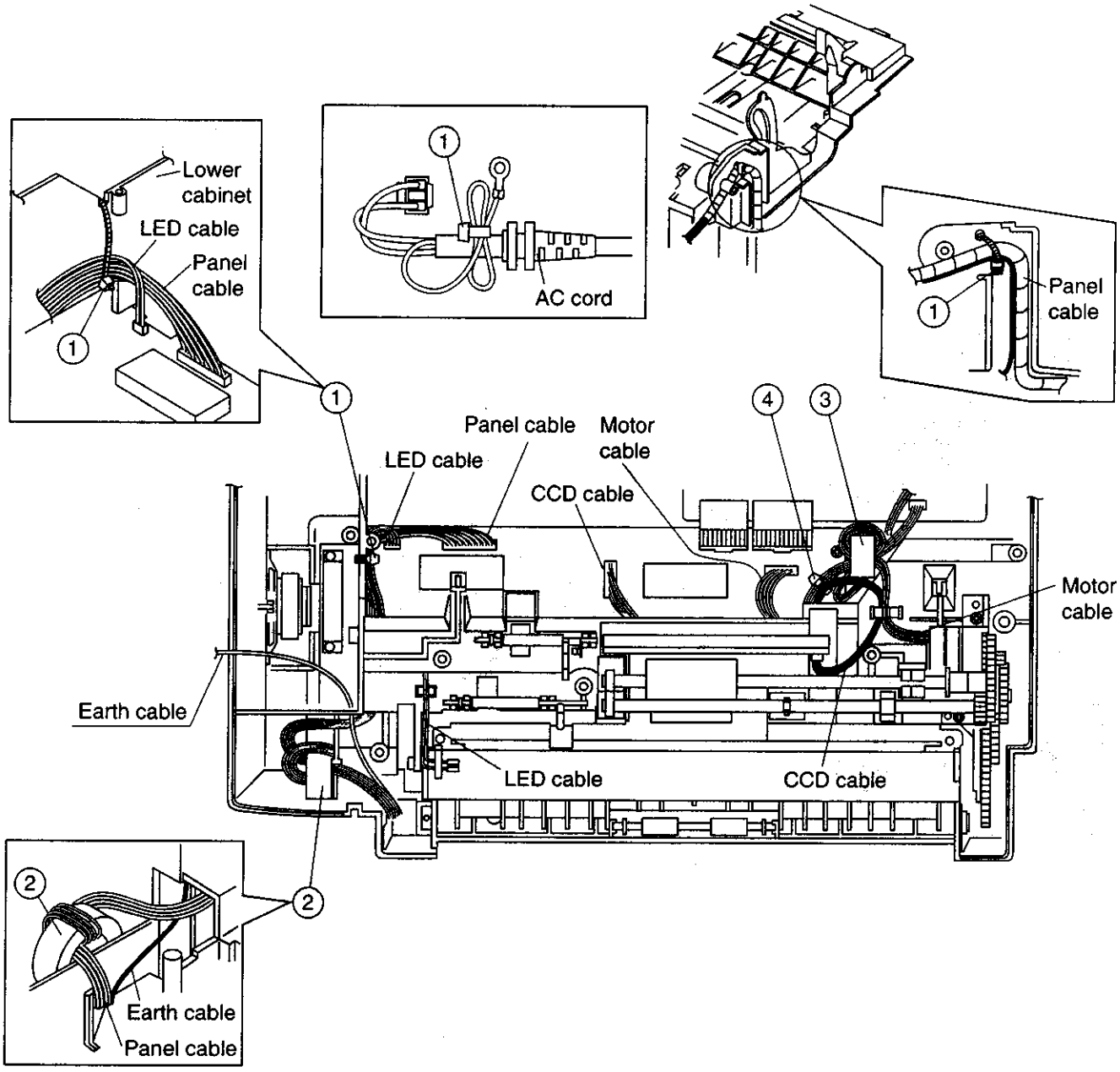
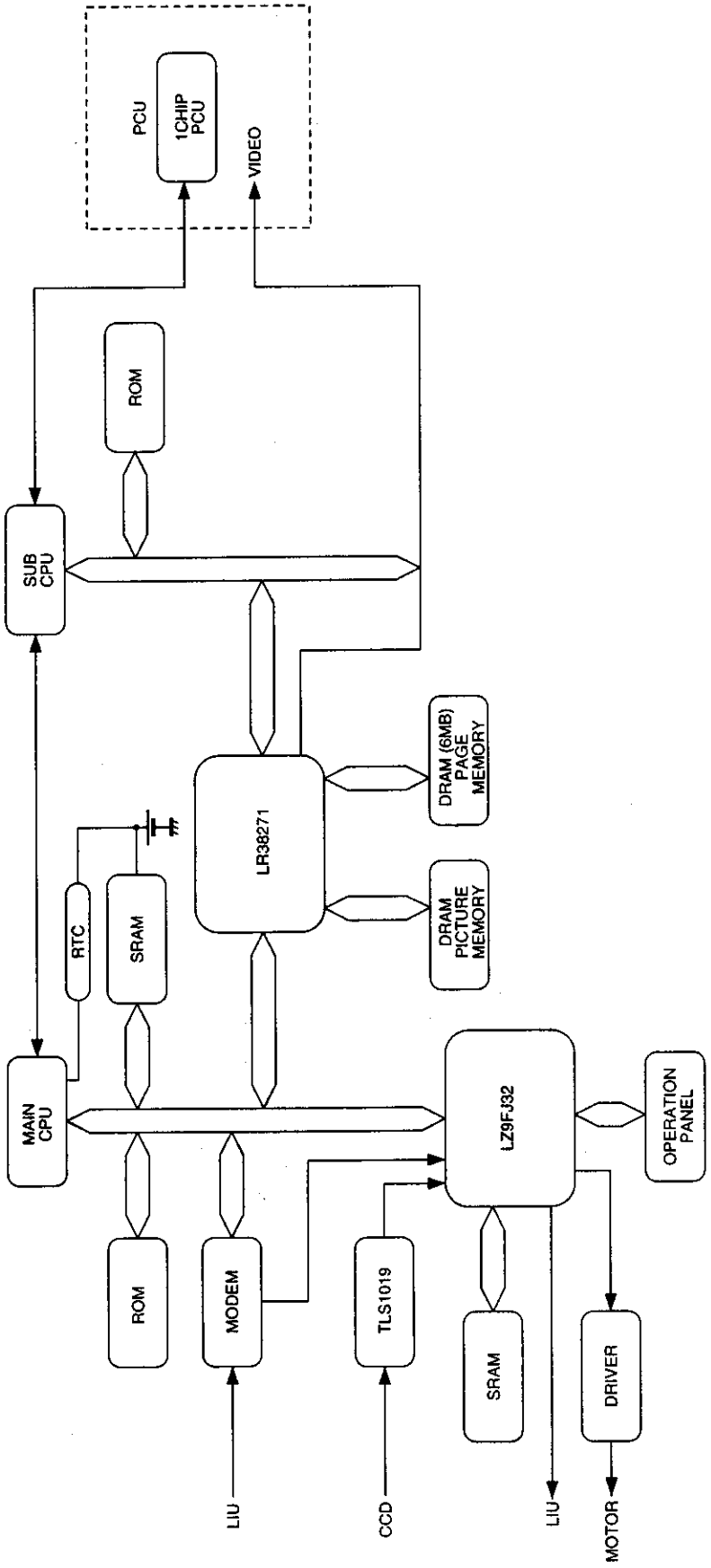


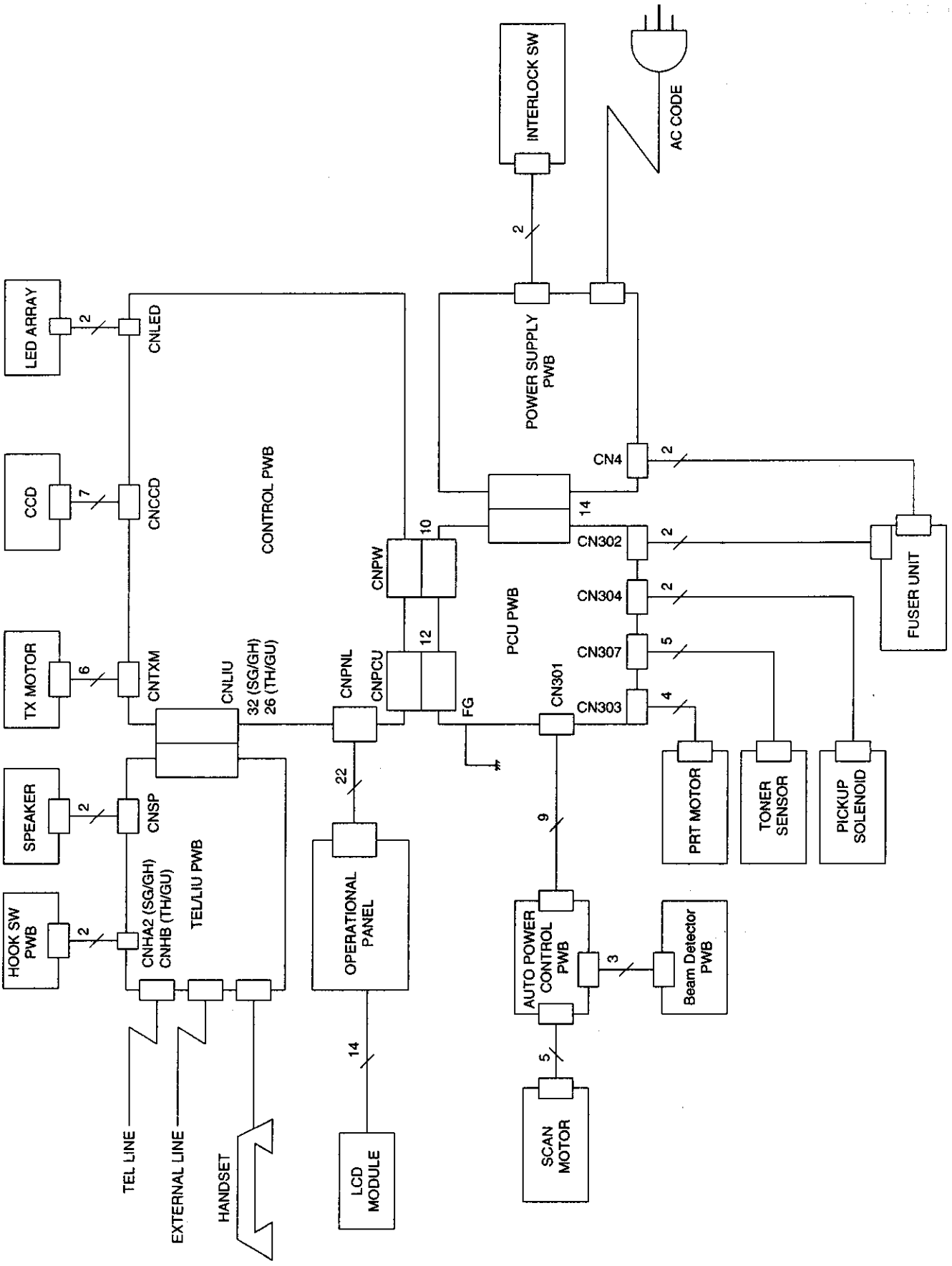
Fig. 13

CHAPTER4. DIAGRAMS

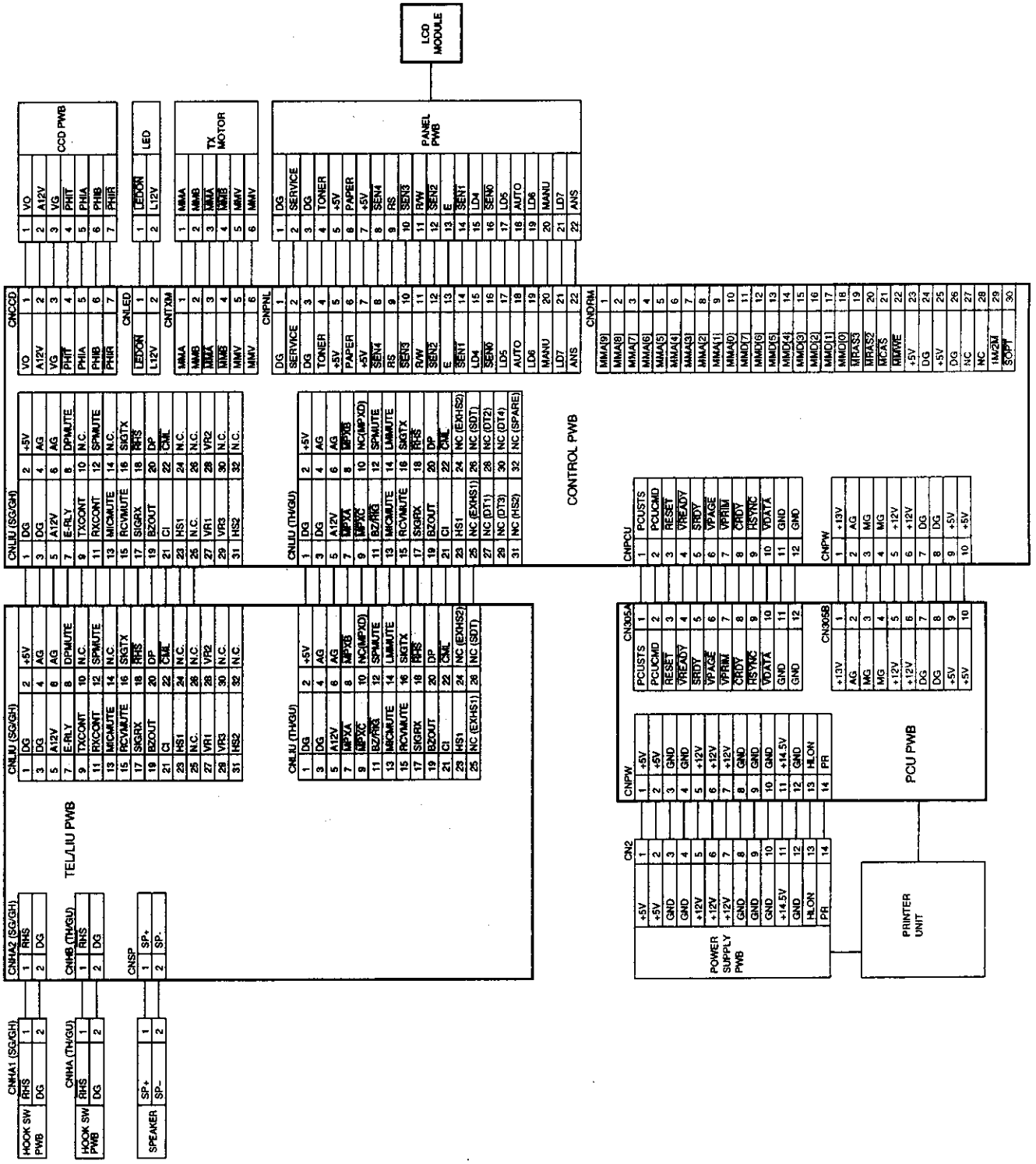
[1] Block diagram



[2] Wiring diagram



[3] Point to point diagram and connector signal name



CHAPTER 5. CIRCUIT DESCRIPTION

[1] Circuit description

1. General description

The compact design of the control PWB is obtained by using two gate arrays and high density printing of surface mounting parts. Each PWB is independent according to its function as shown in Fig. 1.

2. PWB configuration

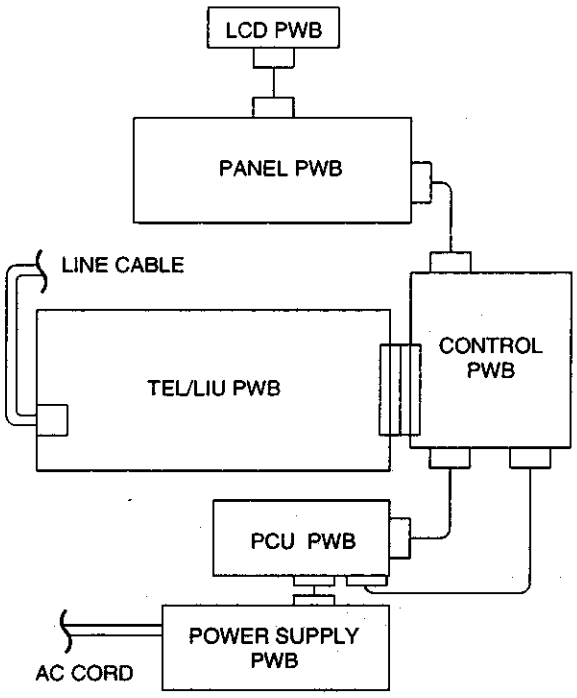


Fig. 1 PWB configuration

1) Control PWB

The control PWB controls peripheral PWBs, mechanical parts, transmission, and performs overall control of the unit.

This machine employs a 1-chip modem (R96SHF) which is installed on the control PWB.

2) TEL/LIU PWB

This PWB controls connection of the telephone line to the unit.

3) Power supply PWB

This provides voltages of +5V, +12V and +13.1V to the control PWB Liu PWB, panel PWB, PCU PWB and printer unit.

4) Panel PWB

The panel allows input of the operation panel and LCD display.

5) PCU PWB

This unit controls mechanical parts in printer unit.

3. Operational description

Operational descriptions are given below:

- Transmission

  When a document is loaded in the standby mode, the state of the document sensor is sensed via the gate array A IC25. If the sensor signal was on, the motor is started to bring the document into the standby position. With depression of the START key in the off-hook state, transmission takes place.

  Upon depression of the START key, the Analog switch is set active which switches the line from the telephone to the modem. Then, the procedure is sent out from the modem and the motor is rotated to move the document down to the scan line. In the Image processor (9FJ11), the signal scanned by CCD is sent to the internal AD converter to convert the analog signal into binary data. This binary data is transferred from the Image processor to the image buffer and encoded and stored in the transmit buffer of the RAM. The data is then written to the modem according to interruption by the data transmission request signal from the modem. The modem modulates the code data and sends signals through the TEL/LIU PWB.

- Receive operation

  There are two ways of starting reception, manual and automatic. Depression of the START key in the off-hook mode in the case of the manual receive mode, or CI signal detection by the LIU in the automatic receive mode, causes the Analog switch to activate to initiate the receive operation.

  First, the CPU controls the procedure signals from the modem to be ready to receive data. When the program goes into phase C, the data from the modem is stored in the receive buffer of the RAM. The data in the receive buffer is decoded software-wise to reproduce it as binary image data in the image buffer. The data is DMA transferred to the recording processor.

  The gate array D converted from parallel to serial form to be sent to the printer unit. The data is printed by the printer unit.

- Copy operation

  To make a copy on this facsimile, the COPY key and START key is pressed when the machine is ready with a document on the document table and the telephone set is in the on-hook state.

  First, depression of the COPY key and START key advances the document to the first scan line. Similar to the transmitting operation, the image signal from the CCD is converted to a binary signal in the DMA mode via the Image Processor which is then sent to the image buffer of the RAM. Next, the data is transferred to the recording processor in the DMA mode to send the image data to the printer unit which is printed. The copying takes place as the operation is repeated.

[2] Control PWB description

1. General description

Fig. 2 shows the functional blocks of the control PWB, which is composed of 6 blocks.

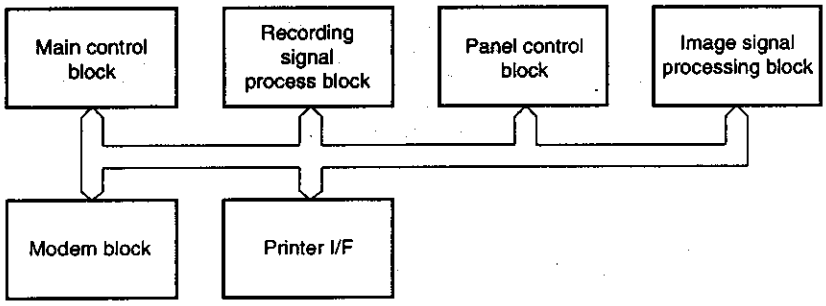


Fig. 2 Control PWB functional block diagram

2. Description of each block

(1) Main control block

The main control block is composed of an 8-bit microprocessor Z80180, ROM (256KByte), SRAM (32KByte), and DRAM (384KByte). Devices are connected to the bus to control the whole unit.

1) Z80180 (IC6): pin-80, QFP (main CPU)

This is a CMOS 8-bit microprocessor. A high-speed CPU (compatible with Z80 upper class models) and peripheral functions are incorporated in one chip.

This system allows the following functions.

- Memory Management Unit (MMU)
- DMA controller (2 channel); channel 0: For read data transfer
  channel 1: For print data transfer
- Timer
- Interruption; As external interrupt.

  $\overline{INT0}$: Modem interrupt.

  $\overline{INT1}$: Peripheral I/O control section interrupt.

  $\overline{INT2}$: RTC detection interrupt.

Operating speed is 8MHz.

In addition, 16MHz clock is internally generated with the ceramic oscillator.

For reset when power is turned on, a LOW signal of about 50msec is supplied to $\overline{RESET}$ terminal.

2) 27C020 (IC1): pin-28, DIP (ROM)

EPROM of 2Mbit equipped with software for the main CPU.

3) M5255 (IC8): pin-28, SOP (RAM)

Line memory for the main CPU system RAM area.

Memory of recorded data such as daily report and auto dials. When power is turned off, backup is made with a lithium battery.

4) MB81C4256 (IC10,11,15): pin-28, SOJ (RAM)

Image memory for recording process.

- Memory for recording pixel data at without paper.

5) LZ9FJ32 (IC17): pin 160, QFP (gate array A)

The following functions are incorporated to support the main CPU.

- Dial pulse generator
- Liu control
- Panel I/F (LCD controller I/F, key scan)
- I/O port

6) LR38271 (IC16): 160 pin, QFP (gate array B)

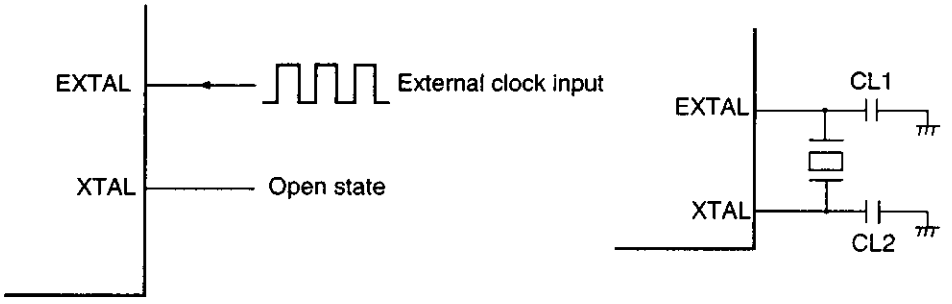
The following functions are provided as the main CPU peripheral functions.

- Memory mapper
- WAIT control
- Main CPU timers (3 units)
- DRAM controller
- Modem I/F (RTC detection)

7) Various-sensors circuit

- Since the transparent type photo-interrupter is used by the original sensor (ORGSNS) to detect whether a draft sheet is present or not and the front sensor (FRSNS) to detect the edge of a draft sheet, their outputs are recognized by CPU which is connected to the input port of the gate array.

Z80180 (IC6, IC7) terminal descriptions

Classification	Code	Terminal No. (FP-80)		Name and pin function
Power GND	VCC	32	Input	Power supply: Connected to the power source. (+5V)
	VSS	12, 34, 72, 73	Input	Ground: Connected to the power source. (Ground)
XTAL clock	XTAL	74	Input	Connected to a crystal oscillator. Frequency must be two times as great as ϕ clock frequency. When inputting an external clock to EXTAL pin, open XTAL pin.
	EXTAL	76	Input	Connected to an crystal oscillator. Also used as an external clock input pin. The external clock input frequency must be two time as great as ϕ clock frequency.
	 Recommended circuit configuration with a crystal oscillator			
	ϕ	71	Output	System clock: Provides system clock to the peripheral devices.
Reset	$\overline{RESET}$	80	Input	Reset: LOW when the LSI is reset state.
Address bus	A_0~A_{18} A_0~A_{19} (HD64180R1; FP-80, CP-68) (A18 is commonly used with TOUT.)	8~11 13 15~21 24~29 31, 33	Output (Three-state)	Address bus: The address to make access to the memory space. HIGH only in the following cases: (a) Reset (b) Bus control is transmitted to another device. (When $\overline{BUSACK}$ = "0" by $\overline{BUSREQ}$ = "0") A18 is multiplexed with TOUT. The timer control register TOC0 and TOC1 bits determine which output to take.
Data bus	D0~D7	35~41, 44	Input/Output	Data Bus: 8-bit bidirectional data bus
Memory I/O interface signal	$\overline{RD}$	70	Output (Three-state)	Read: Shows that the LSI is in read cycle. At that time, the data bus is in output mode.
	$\overline{WR}$	69	Output (Three-state)	Write: Shows that the LSI is in write cycle. At that time, the data bus is in output mode.
	$\overline{ME}$	66	Output (Three-state)	Memory Enable: Shows that read/write operation of the memory is being executed. LOW in the following cases: (a) Command fetch, operant read (b) Memory access in DMA cycle (c) Refresh cycle
	$\overline{IOE}$	65	Output (Three-state)	I/O Enable: Shows that I/O read/write operation is being executed. LOW in the following cases: (a) Read/write of data in executing an I/O command (b) I/O access in DMA cycle (c) $\overline{INT_0}$ acknowledge cycle
	$\overline{WAIT}$	77	Input	Wait: Used to extend read/write cycle of I/O or the memory. When this input is LOW at the falling edge of T2, TW state is inserted next to T2. When it is LOW at the falling edge of TW, another TW is inserted again next to the preceding one.
	E	67	Output	Enable: Synchronizing clock for peripheral LSI's of the 6800 system.
System control signal	$\overline{BUSREQ}$	79	Input	Bus Request: Used for other devices to request bus free to this LSI. When driven LOW, the CPU stops execution of commands and drives some parts ($\overline{RD}$, $\overline{WR}$, $\overline{ME}$, $\overline{IOE}$) of the address bus, data bus, and memory interface signals HIGH.
	$\overline{BUSACK}$	78	Output	Bus acknowledge: Shows that the CPU received $\overline{BUSREQ}$ signal and freed the bus. When a device which outputted $\overline{BUSREQ}$ signal receives $\overline{BUSACK}$ signal, it acknowledges that it has gained bus control.

Z80180 (IC6, IC7)

<table>
<tr><th>Classification</th><th>Code</th><th>Terminal No.</th><th></th><th>Name and pin function</th></tr>
<tr><td>System control signal</td><td>$\overline{HALT}$</td><td>61</td><td>Output</td><td>HALT: LOW when the CPU executes HALT or SLP command, and shows to the outside that the CPU is in HALT mode, SLEEP mode, or SYSTEM STOP mode. Used with ST signal and $\overline{LIR}$ signal to show the operation status such as the internal DMA operation and the CPU operation mode.</td></tr>
<tr><td></td><td>$\overline{LIR}$</td><td>68</td><td>Output</td><td>Load Instruction Register: Shows that the cycle which is under operation is the operation code fetch cycle.</td></tr>
<tr><td></td><td>ST</td><td>7</td><td>Output</td><td>Status: Shows the operation status.
Do not connect with a pull-down resistor.
<table>
<tr><th>ST</th><th>$\overline{HALT}$</th><th>$\overline{LIR}$</th><th>Operation status</th></tr>
<tr><td>0</td><td>1</td><td>0</td><td>CPU operation (First operation code fetch cycle)</td></tr>
<tr><td>1</td><td>1</td><td>0</td><td>CPU operation (Second, third operation code fetch cycles)</td></tr>
<tr><td>1</td><td>1</td><td>1</td><td>CPU operation (Machine cycle other than operation code fetch cycle)</td></tr>
<tr><td>1</td><td>Not fixed.</td><td>0</td><td>DMA operation</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>HALT mode</td></tr>
<tr><td>1</td><td>0</td><td>1</td><td>SLEEP mode SYSTEM STOP mode</td></tr>
</table></td></tr>
<tr><td>System control signal</td><td>$\overline{REF}$</td><td>64</td><td>Output</td><td>Refresh: When LOW, shows that the CPU is in DRAM refresh cycle. When LOW, refresh addresses are outputted to the lower 8 bits of the address bus (A_0–A_7). Refresh interval is programmable in 10, 20, 40 or 80 state.</td></tr>
<tr><td>Interrupt signal</td><td>$\overline{NMI}$</td><td>1</td><td>Input</td><td>Non-Maskable Interrupt: This is the non-maskable interrupt request terminal.</td></tr>
<tr><td></td><td>$\overline{INT_0}$</td><td>4</td><td>Input</td><td>Interrupt 0: Maskable interrupt level 0 request terminal. In level 0, there are three operation mode:
<table>
<tr><th>Operation mode</th><th>Content</th></tr>
<tr><td>0</td><td>Command on the data bus is executed.</td></tr>
<tr><td>1</td><td>Command is executed from address 0038H.</td></tr>
<tr><td>2</td><td>Vector system</td></tr>
</table></td></tr>
<tr><td></td><td>$\overline{INT_1}$</td><td>5</td><td>Input</td><td rowspan="2">Interrupt 1, 2: Maskable interrupt level 1 and 2 request terminals. Vector system</td></tr>
<tr><td></td><td>$\overline{INT_2}$</td><td>6</td><td>Input</td></tr>
<tr><td>DMA signal</td><td>$\overline{DREQ_0}$ (Commonly used with CKA0.)</td><td>50</td><td>Input</td><td>DMA Request for Channel 0: Internal DMAC transfer (to channel 0) request terminal. With this signal, the internal DMAC can operate in synchronization with the external I/O devices. The internal DMAC channel 0 supports the following transfer types:
(a) Between memories
(b) Between memory and I/O
(c) Between memory and memory map I/O
This terminal is multiplexed with CKA0 terminal. When DMA channel 0 transfer mode is set to "Between memory and I/O (including memory map I/O)", $\overline{DREQ_0}$ terminal serves as an input terminal.</td></tr>
<tr><td></td><td>$\overline{TEND_0}$</td><td>55</td><td>Output</td><td>Transfer End for Channel 0: Internal DMAC channel 0 transfer sent signal. Driven LOW in synchronization with the last data transfer write cycle. This terminal is multiplexed with CKA1 terminal. When ASCI control register A channel 1 is set to "1", it serves as $\overline{TEND_0}$ terminal.</td></tr>
<tr><td></td><td>$\overline{DREQ_1}$</td><td>59</td><td>Input</td><td>DMA Request for Channel 1: Internal DMAC transfer (to channel 1) request terminal. Channel 1 supports only transfer between memory and I/O.</td></tr>
</table>

Z80180 (IC6, IC7)

Classification	Code	Terminal No.		Name and pin function
DMA signal	$\overline{TEND_1}$	60	Output	Transfer End for channel 1: Internal DMAC transfer (to channel 1) end signal. Driven LOW in synchronization with the last data transfer write cycle.
Serial I/O signal (ASCI channel 0)	TXA_0	48	Output	Transfer Data for Asynchronous SCI Channel 0: ASCI channel 0 transfer data terminal.
	RXA_0	49	Input	Receive Data for Asynchronous SCI Channel 0: ASCI channel 0 receive data terminal.
	CKA0 (Commonly used with DREQ0)	50	Input/Output	Clock for Asynchronous SCI Channel 0: ASCI channel 0 clock input/output terminal. This terminal is multiplexed with transfer request signal DREQ0 for internal DMAC channel 0. When DMA channel 0 is oeprated in the transfer mode of "Between memory and I/O", it cannot be used as a clock output terminal.
	$\overline{RTS_0}$	45	Output	Request to Send for Asynchronous SCI Channel 0: One of the ASCI channel 0 modem control signals. The output can be controlled to LOW and HIGH by the program.
	$\overline{CTS_0}$	46	Input	Clear To Send for Asynchronous SCI Channel 0: One of the ASCI channel 0 modem control signals. With this input, transmission can be controlled.
Serial I/O signal (ASCI channel 0)	$\overline{DCD_0}$	47	Input	Data Carrier Detect for Asynchronous SCI Channel 0: One of the ASCI channel 0 modem control signals. With this input, the operation of the receiver section can be reset.
Serial I/O signal (ASCI channel 1)	TXA1	52	Output	Transfer Data for Asynchronous SCI Channel 1: ASCI channel 1 transfer data terminal.
	RXA1	54	Input	Receive Data for Asynchronous SCI Channel 1: ASCI channel 1 receive data terminal.
	CKA1 (Commonly used with $\overline{TEND_0}$.)	55	Input/Output	Clock for Asynchronous SCI channel 1: ASCI channel 1 clock input/output terminal. This terminal is multiplexed with internal DMAC channel 0 transfer end signal $\overline{TEND_0}$. When CKA1D bit of the ASCI control register A channel 1 is set to "0", it can be used as a clock input/output terminal.
	$\overline{CTS_1}$ (Commonly used with RXS.)	57	Input	Clear to SEnd for Asynchronous SCI Channel 1: ASCI channel 1 modem control signal. With this input, transmission can be controlled. This terminal is multiplexed with RXS signal described below. ASCI status register channel 1 CTS1E bit is used to select this terminal.
Serial I/O signal (CSI/O)	TXS	56	Output	Transfer Data for Serial I/O Port: CSI/O serial output terminal.
	RXS (Commonly used with CTS1.)	57	Input	Receive Data for Serial I/O Port: CSI/O serial input terminal. This terminal is multiplexed with CTS1, and selection is made by the program.
	CKS	58	Input/Output	Clock for Serial I/O Port: Used as CSI/O clock input/output terminal.
Timer	TOUT (Commonly used with A18.)	31	Output	Timer Out: Timer output terminal of timer 1. Multiplexed with A18. Selection is made with TOC0 and TOC1 bits of the timer control register.

Z80180 (IC6, IC7) Common terminal descriptions

Code	Terminal No.	Selection method
A18/TOUT	31	A18 is selected immediately after resetting. When either one or both of TOC1 bit and TOC0 bit is/are set to "1", TOUT is selected. When both bits are set to "0", A18 is selected again.
CKA0/$\overline{DREQ_0}$	50	CKA0 is selected immediately after resetting. Either one of DM1 bit or SM1 bit of DMAC DMA mode register is "1", CKA0 is compulsorily changed to an input terminal though it is set as an output terminal, and CKA0 can be used as $\overline{DREQ_0}$ terminal.
CKA1/$\overline{TEND_0}$	55	CKA1 terminal is selected immediately after resetting. When CKA1D bit of the ASCI control register A channel 1 is set to "1", it can be used as TEND0 terminal. When the bit is reset to "0", the terminal returns to CKA1.
RXS/$\overline{CTS_1}$	57	RXS terminal is selected immediately after resetting. When CTS1E bit of ASCI status register channel 1 is set to "1", it can be used as $\overline{CTS_1}$ terminal. In this case, however, the function of RXS input terminal is not prohibited.

(2) Recording signal process block

The recording signal process block is composed of an 8-bit microprocessor Z80180 and ROM (64KByte) and DRAM (768KByte). Devices are connected to the bus to control the whole unit.

1) Z80180 (IC7): pin-80, QFP (sub CPU)

This is a CMOS 8-bit microprocessor. A high-speed CPU (compatible with Z80 upper class models) and peripheral functions are incorporated in one chip.

This system allows the following functions.

- Memory Management Unit (MMU)
- DMA controller (2 channel); channel 0: Not used, channel 1: For read from Main control block
- Timer
- Interruption; As external interrupt.

  $\overline{INT0}$: Print interrupt

  $\overline{INT1}$: Date transmission interrupt

  $\overline{INT2}$: Timmer interrupt

Operating speed is 8 MHz.

In addition, 16MHz clock is internally geneated with ceramic oscilator.

For reset when power is turned on, a LOW signal of about 50msec is supplied to $\overline{RESET}$ terminal.

2) 27C512 (IC2): pin-28, DIP (main ROM)

ROM of 512Kbit equipped with software for the main CPU.

3) LR38271 (IC16): pin-160, QFP (gate array B)

The following functions are incorporated to support the sub CPU.

- Memory mapping
- Page memory control
- Print data output control
- Reduction control
- Smoothing process
- Interface with the PCU.

4) HM514800 (IC20): pin-28, SOJ (RAM)
MB81C4265 (IC12,14): pin-26, SOJ (RAM)

- Page Memory

LR38271 (IC16) Pin descriptions

Pin	Name	I/O	Description
1	SMA3	O	DRAM address bus
2	SMA2		
3	SMA1		
4	SMA0		
5	GND	–	GND
6	SMD7	I/O	DRAM data bus
7	SMD6		
8	SMD5		
9	SMD4		
10	SMD3		
11	SMD2		
12	SMD1		
13	SMD0		
14	GND	–	GND
15	SMWEB	O	DRAM control
16	SRAS0B		
17	SRAS1B		
18	SRAS2B		
19	SCASB		
20	VDD	–	Power (+5V)
21	GND	–	GND
22	MMA9	O	DRAM address bus
23	MMA8		
24	MMA7		
25	MMA6		
26	MMA5		
27	MMA4		
28	MMA3		
29	MMA2		
30	MMA1		
31	MMA0		
32	GND	–	GND
33	MMD7	I/O	DRAM data bus
34	MMD6		
35	MMD5		
36	MMD4		
37	MMD3		
38	MMD2		
39	MMD1		
40	MMD0		
41	GND	–	GMD
42	MRAS1B	O	DRAM control
43	MRAS2B		
44	MRAS3B		
45	MCASB		
46	MDRWEB		
47	RSTINB	I	PCU I/F
48	VREADYB		
49	VSRDYB	O	PCU I/F
50	VPAGEB		
51	PRIMB		
52	VCRDYB	I	PCU I/F
53	HSYNC		
54	VDATA	O	PCU I/F
55	SINT1B	O	Interruption request
56	SINT0B		

Pin	Name	I/O	Description
57	CKAIN	I	Not used
58	MEMTST	I	TEST
59	TEST		
60	CLK	I	CLOCK input
61	GND	–	GND
62	VDD	–	Power (+5V)
63	SBRQB	O	Sub CPU I/F
64	SBACKB	I	Sub CPU I/F
65	SFAI		
66	SFAISL		
67	SRDB		
68	SWRB		
69	SMEB		
70	SIOEB		
71	SREFB	O	Sub CPU I/F
72	SDRQ1B		
73	CKAOUT	O	CLK output (Not used)
74	SA0	I	Sub CPU address bus
75	SA1		
76	SA2		
77	SA3		
78	SA4		
79	SA5		
80	SA6		
81	SA7		
82	SA8		
83	SA9		
84	SA10		
85	SA11		
86	SA12		
87	SA13		
88	SA14		
89	SA15		
90	SA16		
91	SA17		
92	SA18		
93	SA19		
94	SD0	I/O	Sub CPU data bus
95	SD1		
96	SD2		
97	SD3		
98	SD4		
99	SD5		
100	VDD	–	Power (+5V)
101	GND	–	GND
102	SD6	I/O	Sub CPU data bus
103	SD7		
104	SMRDB	O	Sub CPU I/F
105	MA19	I	Main CPU address bus
106	MA18		
107	MA17		
108	MA16		
109	MA15		
110	MA14		
111	MST	O	CPU I/F
112	MINT2B	O	Interruption request

Pin	Name	I/O	Description
113	MA13	I	Main CPU address bus
114	MA12		
115	MA11		
116	MA10		
117	MA9		
118	MA8		
119	RSTOUTB	O	RESET output
120	MWAITB	O	Main CPU I/F
121	MPHI	I	Main CPU I/F
122	MRDB		
123	MWRB		
124	MLIRB		
125	MMEB		
126	MIOEB		
127	MREFB	O	Main CPU I/F
128	MDRQIB		
129	MMS1B	O	Memory mapper
130	MMS2B		
131	MMS3B		
132	MMRDB		
133	MA7	I	Main CPU address bus
134	MA6		
135	MA5		
136	MA4		
137	SLMMS	I	Main CPU address bus
138	MA3	I	Main CPU address bus
139	MA2		
140	MA1		
141	MA0		
142	VDD	–	Power (+5V)
143	GND	–	GND
144	MD0	I/O	Main CPU data bus
145	MD1		
146	MD2		
147	MD3		
148	MD4		
149	MD5		
150	MD6		
151	MD7		
152	MMWRB	O	Main CPU data bus
153	MMS4B	O	Memory apper
154	GND	–	GND
155	SMA9	O	DRAM address bus
156	SMA8		
157	SMA7		
158	SMA6		
159	SMA5		
160	SMA4		

(3) Panel control block

The following controls are performed through LZ9FJ32 according to commands from the main CPU.

- Operation panel key scanning
- Operation panel LCD display

(4) Image signal processing block

The image signal processing block is composed of the following:

① CCD sensor drive block (LZ9FJ32).

② A/D converter block (TLS1019 (IC9)).

③ Binary coding processing block

- LZ9FJ32 (IC17)
- LH5268 (IC18)

Descriptions on each block are given below:

1) CCD drive block

The Clock necessary for CCD drive is generated in LZ9FJ32

- $\phi 1$ (Synchronization clock)
- $\phi 2$ ($=\overline{\phi 1}$) (Synchronization clock)
- ϕR (Output buffer reset clock)
- ϕT (Transmission clock)

2) A/D Converter

A 6-bit, high-speed A/D converter TLS1019 (IC9 pin SOP) is used to supply A/D converted digital video signals to the binary coding processing block according to the clock signal from LZ9FJ32.

3) Binary coding processing block

Digital video signals inputted in 6-bit accuracy by gate array LZ9FJ32 (IC17) which incorporates various algorithms required for binary coding, and RAM (IC18) which stores data necessary for processing are converted into binary data, and P/S converted, and DMA-transmitted to the line memory of the main CPU.

The algorithms for binary coding in the processing block are as follows:

- Shading correction
- OR process (in the standard mode)
- Focus correction
- Auto contrast process
- Intermediate Half-tone expression process

LZ9FJ32 (IC17) Pin descriptions

Pin	Name	I/O	Description
1	GND	–	GND
2	CLK12M	I	CLOCK input
3	CLKSL	I	CLOCK mode
4	D7	I/O	CPU data bus
5	D6		
6	D5		
7	D4		
8	D3		
9	D2		
10	D1		
11	D0		
12	XRD	I	CPU interface
13	XWR		
14	XIOE		
15	XIORD	O	CPU interface
16	XIOWR		
17	XDREQ0		
18	XDREQ1		
19	XEXDRQ	I	CPU interface
20	VDD	–	Power (+5V)
21	GND	–	GND
22	XINT2	O	Output port
23	XMDMRST		
24	XMDMS		
25	XEXIO		
26	DCLK	I	Input port
27	RXD		
28	B4FRT	I	Input port
29	XFRSNS		
30	XORGSNS		
31	RTCIO	O	RTC control
32	RTCDT	I/O	RTC control
33	RTCCK	O	RTC control
34	RTCCE		
35	LEDON	O	Input/output port
36	XDRSNS	I	Input/output port
37	CML	O	Input/output port
38	SPMUTE		
39	MPXD		
40	MPXA		
41	XCI	I	Input/output port
42	XRHS		
43	XHS1		
44	XHS2		
45	MPXB	O	Input/output port
46	MPXC		
47	MICMUTE		
48	MPXE		
49	XEXHS1	I	Input/output port
50	XEXHS2		
51	SDT		
52	REVIN0	I	Not used
53	REVIN1		
54	DP	O	Output port
55	BZ	O	Buzzer clock
56	LMMUTE	O	Output port

Pin	Name	I/O	Description
57	REVO1	O	Output port
58	REVO0		
59	RCVMUTE		
60	XDOPT	I	Input port
61	GND	–	GND
62	VDD	–	Power (+5V)
63	TEST	O	TEST
64	PIO680	O	Output port
65	PIO681		
66	PIO682		
67	PIO683		
68	PIO684		
69	PIO685	I	Input port
70	PIO686		
71	PIO687		
72	RAD7	I/O	RAM data bus
73	RAD6		
74	RAD5		
75	RAD4		
76	RAD3		
77	RAD2		
78	RAD1		
79	RAD0		
80	GND	–	GND
81	RA12	O	RAM address bus
82	RA11		
83	RA10		
84	RA9		
85	RA8		
86	RA7		
87	RA6		
88	RA5		
89	RA4		
90	RA3		
91	RA2		
92	RA1		
93	RA0		
94	GND	–	GND
95	EMP	O	Output port (LED)
96	<N. C.>	–	–
97	XRWE	O	RAM control
98	XROE		
99	XSTV		
100	VDD	–	Power (+5V)
101	GND	–	GND
102	TPA	O	Motor control
103	TPB		
104	XTPA		
105	XTPB		
106	<N. C.>	–	–
107	MAN	O	Output port (LED)
108	HTEN	O	Reading control
109	XPGST		
110	XGTW		
111	<N. C.>	–	–
112	AUTO	O	Output port (LED)

Pin	Name	I/O	Description
113	GND	–	GND
114	XPHIBL	O	Reading control
115	XPHISH		
116	ADCK		
117	B7	I	A/D input
118	B6		
119	B5		
120	B4		
121	B3		
122	B2		
123	B1		
124	B0		
125	PHIA	O	$\overline{\phi A}$
126	PHIB	O	$\overline{\phi B}$
127	XPHIR	O	$\overline{\phi R}$
128	XPHIT	O	$\overline{\phi T}$
129	GND	–	GND
130	<N. C.>	–	–
131	SERVICE	O	Output port (LED)
132	CLKOUT	O	Output port (LED)
133	XSEN5	I	Key
134	XSEN4		
135	XSEN3		
136	XSEN2		
137	XSEN1		
138	XSEN0		
139	TONER	O	Output port (LED)
140	<N. C.>	–	–
141	GND	–	GND
142	VDD	–	Power (+5V)
143	PAPER	O	Output port (LED)
144	<N. C.>	–	–
145	LD7	O	LCD command/data
146	LD6		
147	LD5		
148	LD4		
149	E	O	LCD interface
150	RW		
151	RS	I/O	LCD interface
152	A7	I	CPU address bus
153	A6		
154	A5		
155	A4		
156	A3		
157	A2		
158	A1		
159	A0		
160	XRESET	I	RESET

(5) Modem (R96DFXL) block

INTRODUCTION

The Rockwell R96DFXL MONOFAX modem is a synchronous 9600 bits per second (bps) half-duplex modem with error detection and DTMF reception. it has low power consumption and requires only a single +5VDC power supply. The modem is housed in a single VLSI device package.

The modem can operate over the public switched telephone network (PSTN) through line terminations provided by a data access arrangement (DAA).

The R96SHF is designed for use in Group 3 facsimile machines.

The modem satisfies the requirements specified in CCITT recommendations V.29, V.27 ter, V.21 Channel 2 and T.4, and meets the binary signaling requirements of T.30.

The modem can operate at 9600, 7200, 4800, 2400, or 300 bps, and also includes the V.27 ter short training sequence option.

The modem can also perform HDLC framing according to T.30 at 9600, 7200, 4800, 2400, or 300 bps.

The modem features a programmable DTMF receiver and three programmable tone detectors which operate concurrently with the V.21 channel 2 receiver.

The voice mode allows the host computer to efficiently transmit and receive audio signals and messages.

The modem is available in either a 100-pin plastic quad flat pack (PQFP) or a 64-pin quad in-line package (QUIP).

General purpose input/output (GPIO) pins are available for host assignment in the 100-pin PQFP.

The modem's small size single voltage supply, and low power consumption allow the design of compact system enclosures for use in both office and home environments.

MONOFAX is a registered trademark of Rockwell International.

FEATURES

- Group 3 facsimile transmission/reception
  - CCITT V.29, V.27 ter, T.30, V.21 Channel 2, T.4
  - HDLC Framing at all speeds
- V.27 ter short train
- Concurrent DTMF, FSK, and tone reception
- Voice mode transmission/reception
- Half-duplex (2-Wire)
- Programmable maximum transmit level:
  0 dBm to –15 dBm
- Programmable transmit analog attentuation:
- 0 dB to 14 dB in 2 dB steps
- Receive dynamic range: 0 dBm to –43 dBm
- Programmable dual tone generation
- Programmable tone detection
- Programmable turn-on and turn-off thresholds
- Programmable interface memory interrupt
- Diagnostic capability
  - Allows telephone line quality monitoring
- Equalization
  - Automatic adaptive equalizer
  - Fixed digital compromise equalizer
- DTE interface: two alternate ports
  - Selectable microprocessor bus (6500 or 8085)
  - CCITT V.24 (EIA-232-D compatible) interface
- TTL and CMOS compatible
- Low power consumption: 275 mW (typical)
- Single Package
  - 100-pin PQFP
  - 64-pin QUIP
- Single +5VDC power supply
- Software compatible with R96MFX, R96EFX, R96DFX, and R96VFX modems

R96DFXL Hardware Interface Signals

Pin Signals – 100-Pin PQFP

Pin No.	Signal Name	I/O Type
1	GP03	IA/OB
2	GP04	IA/OB
3	GP05	IA/OB
4	GP06	IA/OB
5	GP07	IA/OB
6	0VD2	GND
7	0VD2	GND
8	D7	IA/OB
9	D6	IA/OB
10	D5	IA/OB
11	D4	IA/OB
12	D3	IA/OB
13	D2	IA/OB
14	D1	IA/OB
15	D0	IA/OB
16	0VD2	GND
17	0VA	GND
18	RAMPIN	R
19	NC	
20	NC	
21	0VA	GND
22	+5VD2	PWR
23	0VD1	GND
24	SWGAINI	R
25	ECLKIN1	R
26	SYNCIN1	R
27	NC	
28	NC	
29	NC	
30	0VA	GND
31	NC	
32	NC	
33	NC	
34	DAIN	R
35	ADOUT	R
36	BYPASS	IC
37	RCVI	R
38	TXLOSS3	IC
39	TXLOSS2	IC
40	TXLOSS1	IC
41	NC	
42	NC	
43	0VA	GND
44	TXOUT	AA
45	RXIN	AB
46	+5VA	PWR
47	0VA	GND
48	AGD	R
49	AOUT	R
50	0VD1	GND
51	NC	
52	$\overline{IRQ}$	OC
53	$\overline{WRITE}$-R/$\overline{W}$	IA
54	$\overline{CS}$	IA
55	$\overline{READ}$-ϕ2	IA

Pin No.	Signal Name	I/O Type
56	RS4	IA
57	RS3	IA
58	RS2	IA
59	RS1	IA
60	RS0	IA
61	GP13	IA/OB
62	NC	
63	GP11	IA/OB
64	$\overline{RTS}$	IA
65	$\overline{EN85}$	R
66	0VD2	GND
67	$\overline{PORI}$	ID
68	XTLI	R
69	XTLO	R
70	XCLK	OD
71	YCLK	OD
72	+5VD1	PWR
73	DCLKI	R
74	SYNCIN2	R
75	GP16	IA/OB
76	GP17	IA/OB
77	0VD2	GND
78	$\overline{CTS}$	OA
79	TXD	IA
80	0VD2	GND
81	0VD2	GND
82	DCLK	OA
83	EYESYNC	OA
84	EYECLKX	OA
85	EYECLK	OA
86	EYEX	OA
87	ADIN	R
88	DAOUT	R
89	0VD2	GND
90	EYEY	OA
91	GP21	IA/OB
92	0VD2	GND
93	GP20	IA/OB
94	GP19	IA/OB
95	RXD	OA
96	$\overline{RLSD}$	OA
97	0VD2	GND
98	RCVO	R
99	SWGAINO	R
100	GP02	IA/OB

Notes:

1. NC = No connection; leave pin disconnected (open).
2. I/O Type: Digital signals: see Table 9;
   Analog signals: see Table 10.
3. R = Required modem inter-connection; no connection to host equipment.

[3] Description of CCD board

The CCD board picks up optical information from the document, converts it into an electrical (analog) signal and transfers it to the control board.

(1) Block diagram

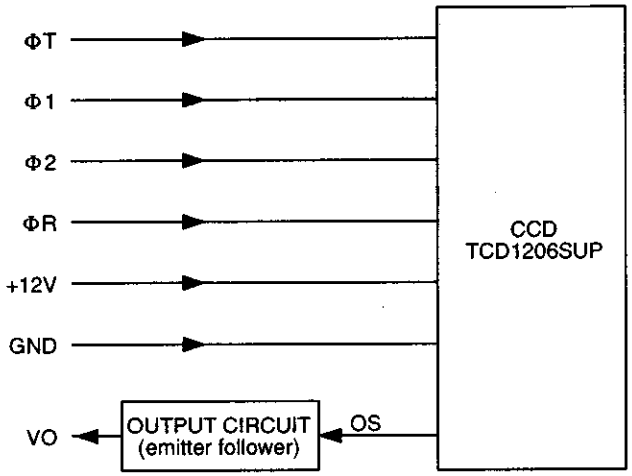


Fig. 4

(2) Description of blocks

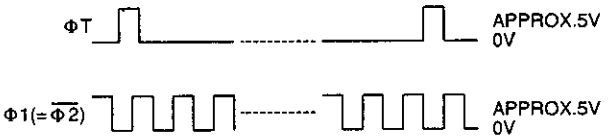
1. CCD

The TCD1206SUP is a highly sensitive charged coupled image sensor that consists of 2160 picture elements.

Receiving four drive signals (φT, φ2, φ1, φR) from the control board, the transferred photoelectric analog signal OS is impedance converted, and the signal VO, is supplied to the control board.

2. Waveforms

1. φ1, φ2 (=$\overline{\phi 1}$) ... signals within the control board.



2. OS, φR

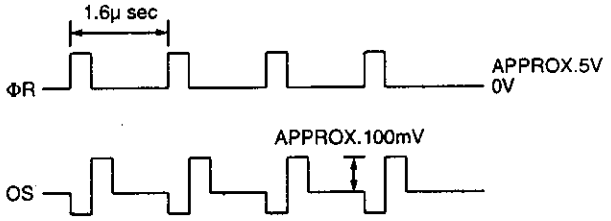


Fig. 5

[4] Description of TEL/LIU (TH/GU)

(1) TEL/LIU block operational description

1) Block diagram

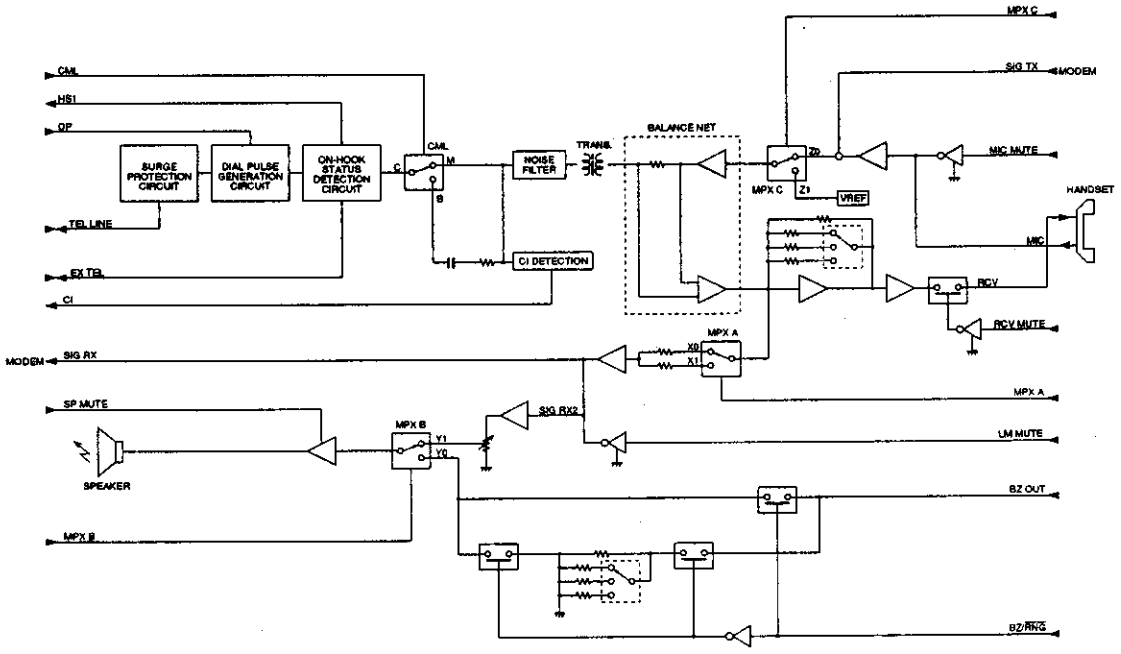


Fig. 6

2) Circuit description

The TEL/LIU PWB is composed of the following 7 blocks.

1. Surge protection circuit
2. Circuit matching circuit
3. Various-controls circuit
4. CI detection circuit/tone ringer circuit
5. Speaker amplifying circuit
6. DC power supply filter
7. Signal mode selector

3) Block description

1) Surge protection circuit

- In order to protect the circuit from the surge voltage which generates between the telephone circuits, the arrester (AR1) and varistors (VA1 and VA2) are provided.

  AR1 . . . . . Approx. 400V

  VA1 and VA2 . . . . . Approx. 470V

The circuit is protected from the above surge voltage.

2) Circuit matching circuit

- The primary side and secondary side are matched each other at the terminals 600 Ω by the transformer (T1).

3) Various-controls circuit

- The sound volume of the hand set receiver can be switched at the high, middle and low levels with SW1.
- The signal transmitting/receiving signal, sound volume monitor, TEL/FAX automatic switch and other state switches are controlled with the analog switches of IC103 and IC104.
- DTMF and DP are switched with the optional setting. DTMF is sent through the sending line (SIG Tx). DP is sent through the photocoupler according to ON/OFF of the circuit on the primary side.

4) CI detection circuit/tone ringer circuit

- The CI detection section is a circuit to detect CI signal for automatic receiving.
- When the CI signal is input from the circuit, the DC component is cut with C13 (0.82μ/250V) but the AC component alone of the ringer signal is passed. Then, it is sent to the control circuit by the photo coupler PC3, and is reversed and amplified there. Then, it is detected by CPU.
- Since the calling ring is sound from the gate array when CI is detected, the signal of 1,100 Hz or 935 Hz is sent to the speaker in order to sound the calling ring. If the receiving mode is set at AUTO (automatic receiving mode), the receiving mode will be activated after the specified number of the calling rings.

5) Speaker amplifying circuit

- The speaker amplifier circuit amplifies the circuit monitor sound, the buzzer sound and the ringer sound in the on-hook mode, and drives the speaker.
- The sound volume is fixed for the buzzer sounds alone but is adjustable for the other sounds with the slide volume controller (VR1) or slide switch (SW2).
- In the mode where the speaker is not used, the mute is continuously applied to the speaker amplifier IC in order to prevent generating unnecessary sound.

6) DC power supply filter

- In order to suppress the ripple voltage which is transferred by the power line, the 47μF electrolytic capacitor (for low frequencies) and 22,000 pF ceramic capacitor (for high frequencies) are provided across +12V, +5V and their grounds.
- Since +12V(TP4), +5V(TP3), AG(TP1) and DG(TP5) provide respectively jumper wire together with the silk, use them to check the board operation.

7) Signal mode selector

- The selection patterns of the control signal (MPXA-MPXE), MIC and mute signals (MICMUTE, RCVMUTE, SPMUTE, LMMUTE) of the analog switches (IC103 and IC106) are separately shown in next page.
- For example, the mode for signal transmission (fax signal send) is shown.

(See page 5-14)

(Example: Fax signal send) (TH/GU)

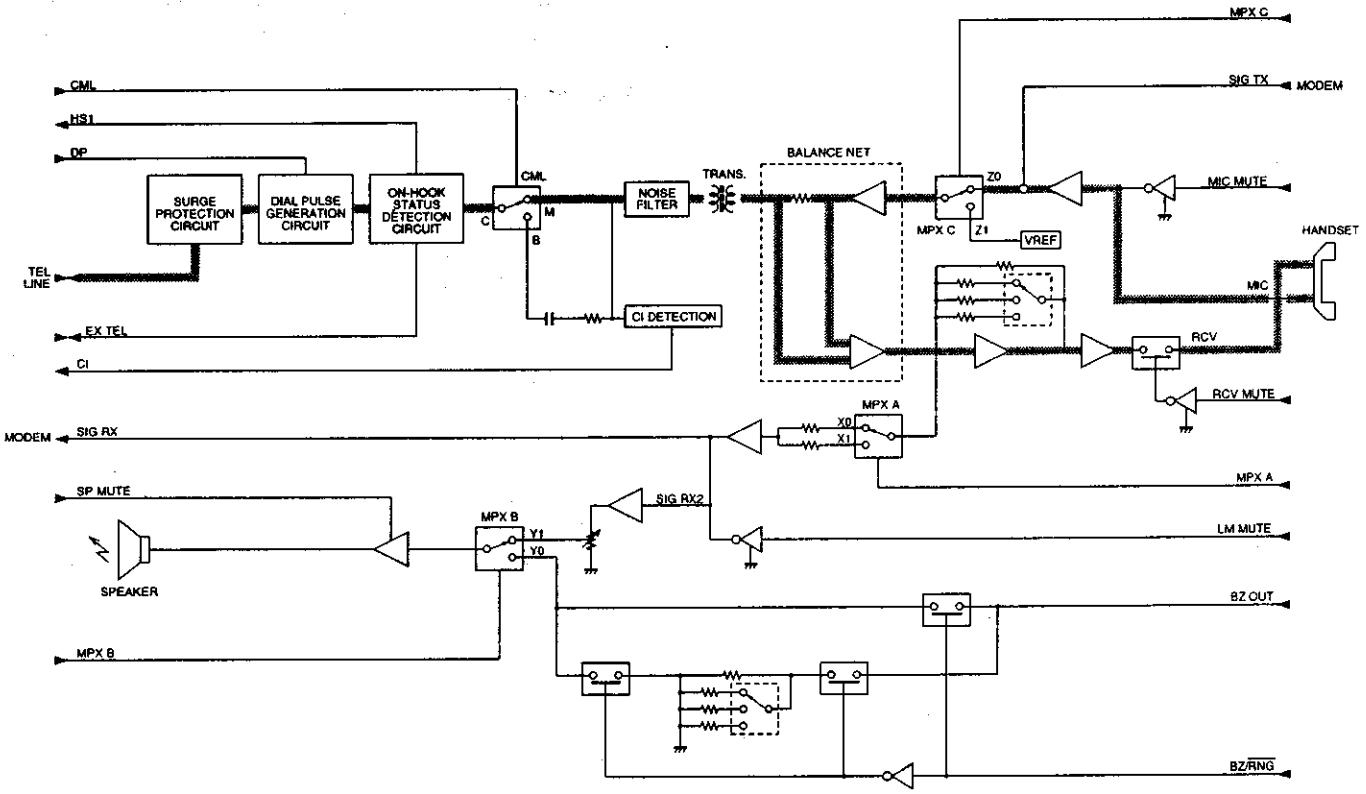


Fig. 7

[4] Description of TEL/LIU (SG/GH)

(1) TEL/LIU block operational description

1) Block diagram

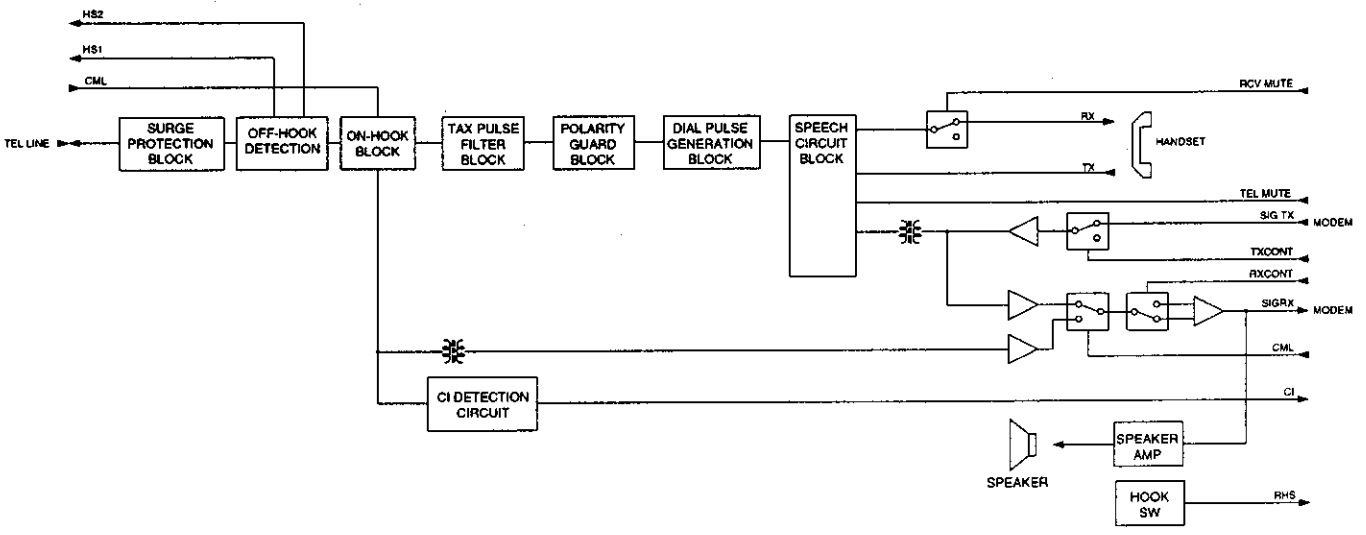


Fig. 8

2) Circuit description

The TEL/LIU PWB is composed of the following 11 blocks.

1. Off-hook detection block
2. CI block
3. Polarity guard block
4. TAX pulse filter block
5. Pulse transmitting block
6. On-hook block
7. Hook detection block
8. Communication circuit block
9. Speaker amplifier block
10. Power supply and bias circuit
11. Signal selection

3) Block description

1. Off-hook detection block

When the line is closed by CML relay, a current is passed through the IC2 which generate an output to the control PWB as off-hook signal ($\overline{HS1}$ and $\overline{HS2}$).

2. CI block

This block is composed of a photo coupler (PC7) and is used to convert ringer signal into a digital signal.

3. Polarity guard block

This block is composed of diode bridge (REC1) and is used to supply a current and voltage of the same polarity to the telephone circuit regardless of reversion of polarity in the telephone circuit.

4. TAX pulse filter block

This block is composed of coil (L11, 21) and capacitors (C6, 27) and is used to remove TAX pulse from the telephone line.

5. Pulse transmitting block

This block is composed of transistor (Q3), photo coupler (PC6) and zener diode. Dial pulses supplied from CPU are amplified by transistor (Q3) through a photo coupler (PC6) to the telephone line.

6. On-hook block

This block is composed of CML relay (CML), and CML is for connection of the telephone line.

7. Hook detection block

This block is composed of hook switch (SW1), and is used to detect on/off of the hook switch and to inform CPU of connection/open of the telephone line.

8. Communication circuit block

This block is composed of the speech IC (IC1), and is equipped with 2-line/4-line select circuit, auto pad circuit, and all other circuit.

9. Speaker amplifier block

This block is composed of the speaker amplifier IC (IC104), and is used to amplify voice signal in monitoring or in speaker reception with the amplifier IC and to supply to the speaker.

10. Power supply and bias circuit

The CI voltages of +12V and +5V are supplied from the control unit through the connector CNLIU-1~6.

11. Signal selection

The following signals are used to control the transmission line of TEL/FAX signal.

- TEL MUTE: Controls the mute of handset voice transmission signal.
- RCV MUTE: Controls the mute of handset voice reception signal.
- SP-MUTE: Controls the mute of speaker amplifier.
- TX CONT: Mutes the transmission drive amplifier.
  L: Selected when the FAX signal is being received
  H: Selected when the telephone is being used or when the FAX signal is being transmitted
- RX CONT: Switches over the gain of reception amplifier.
  L: Amplifier gain decreased
  H: Amplifier gain increased

(Example: Fax signal send) (SG/GH)

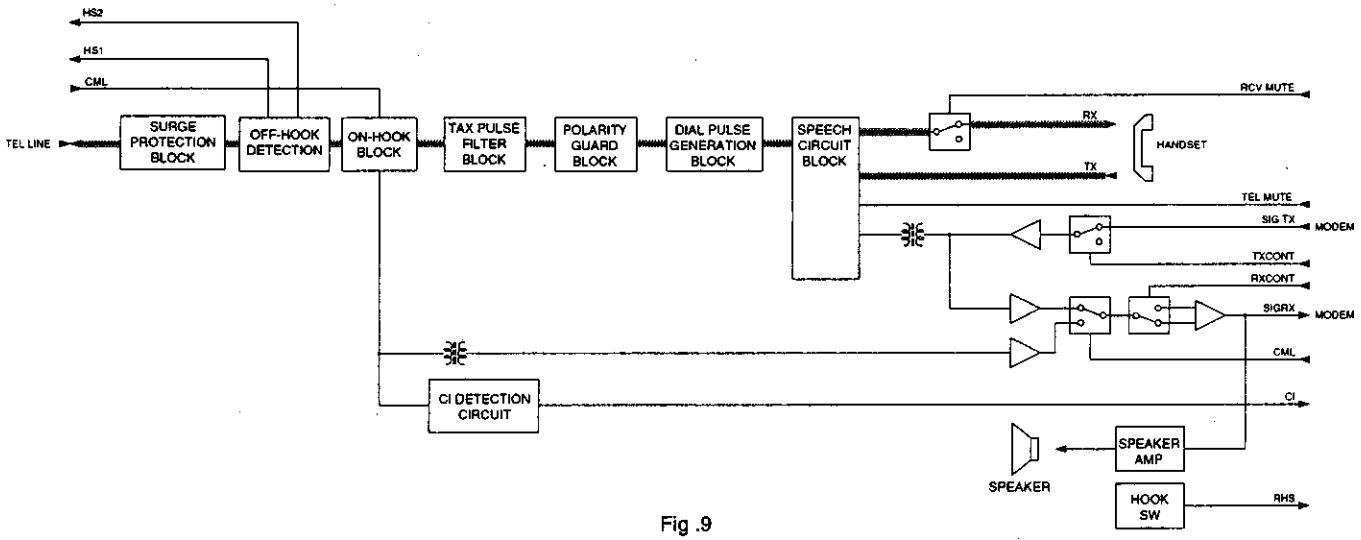


Fig .9

[5] Description of power supply

1. Block diagram

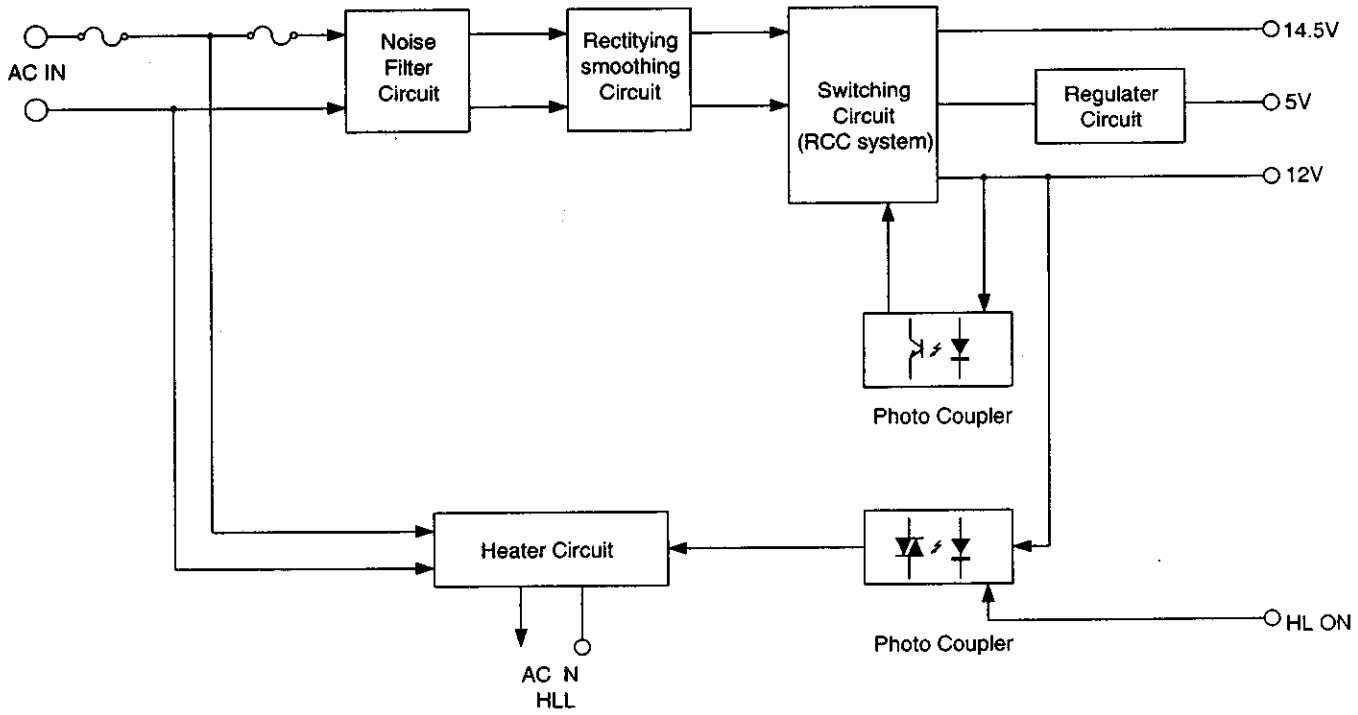


Fig. 10

2-1. Noise filter circuit

The input noise filter section is composed of L1, L2, C1 and C2, which reduces normal mode noise from the AC line and common mode noise to the AC line.

2-2. Rectifying/smoothing circuit

The AC input voltage is rectified by diode D1 and smoothed by capacitor C7 to supply DC voltage to the switching circuit section.

Power thermistor TH1 suppresses inrush current at power switch-on.

2-3. Switching circuit

This circuit employs the self excited ringing choke convertor (RCC) system. In this system, the DC voltage supplied from the rectifying/smoothing section is converted into high frequency pulses by ON/OFF repetition of MOS FET Q1.

Energy is charged in the primary winding of T1 during ON period of Q1, and discharged to the secondary winding during OFF period.

The output voltage is controlled by adjusting ON period of Q1 which changes charge time of C11 through operation of photo-coupler PC1 from 12V output.

The overcurrent protection is performed by bringing Q1 to OFF state through detection of voltage increase in the auxiliary winding of T1 by ZD2 and R10.

The overvoltage protection is performed by operating the overcurrent protection circuit through destruction of zener diode ZD4 and short-circuiting of load.

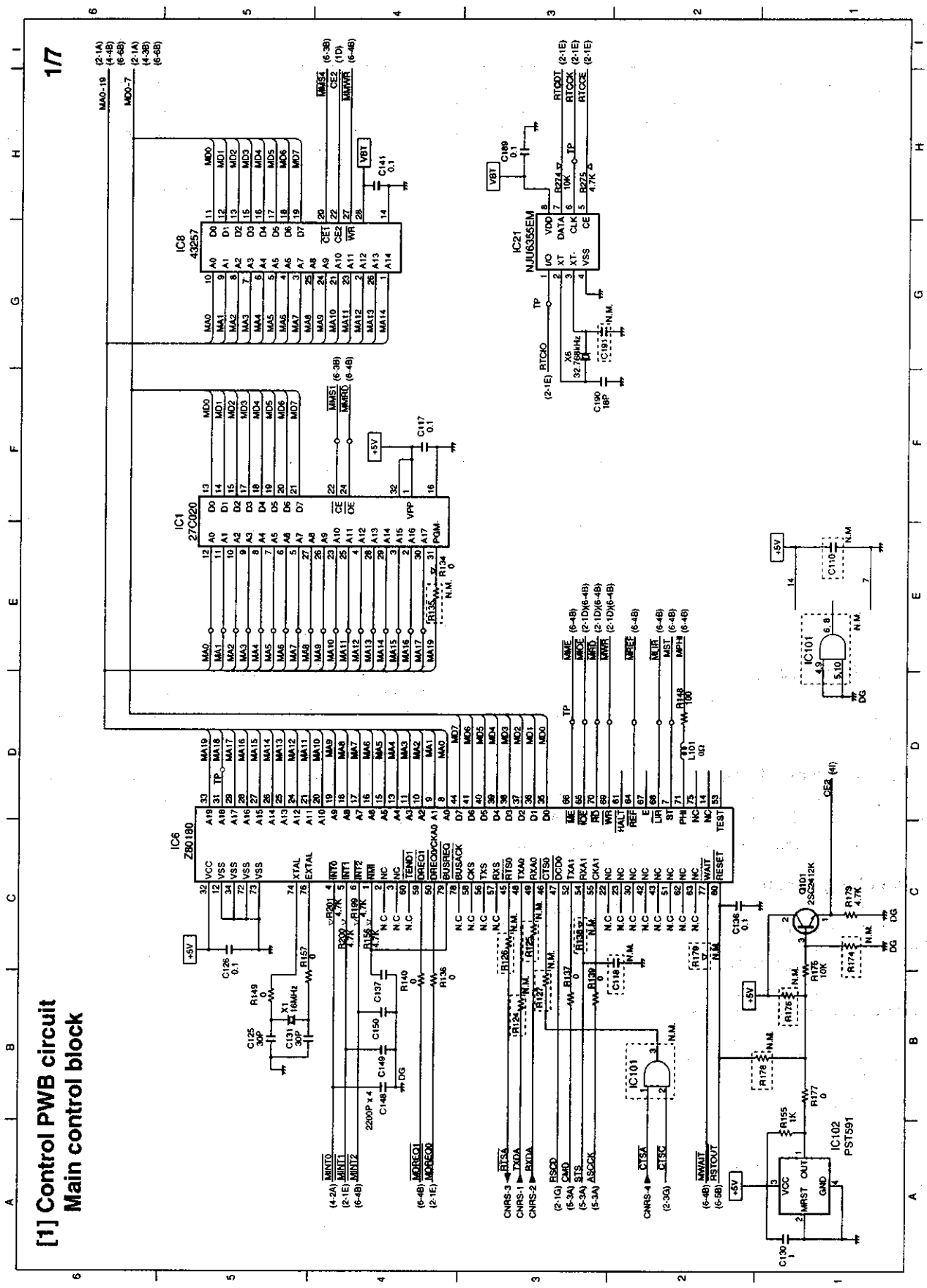
2-4. +5V, +14.5V circuit

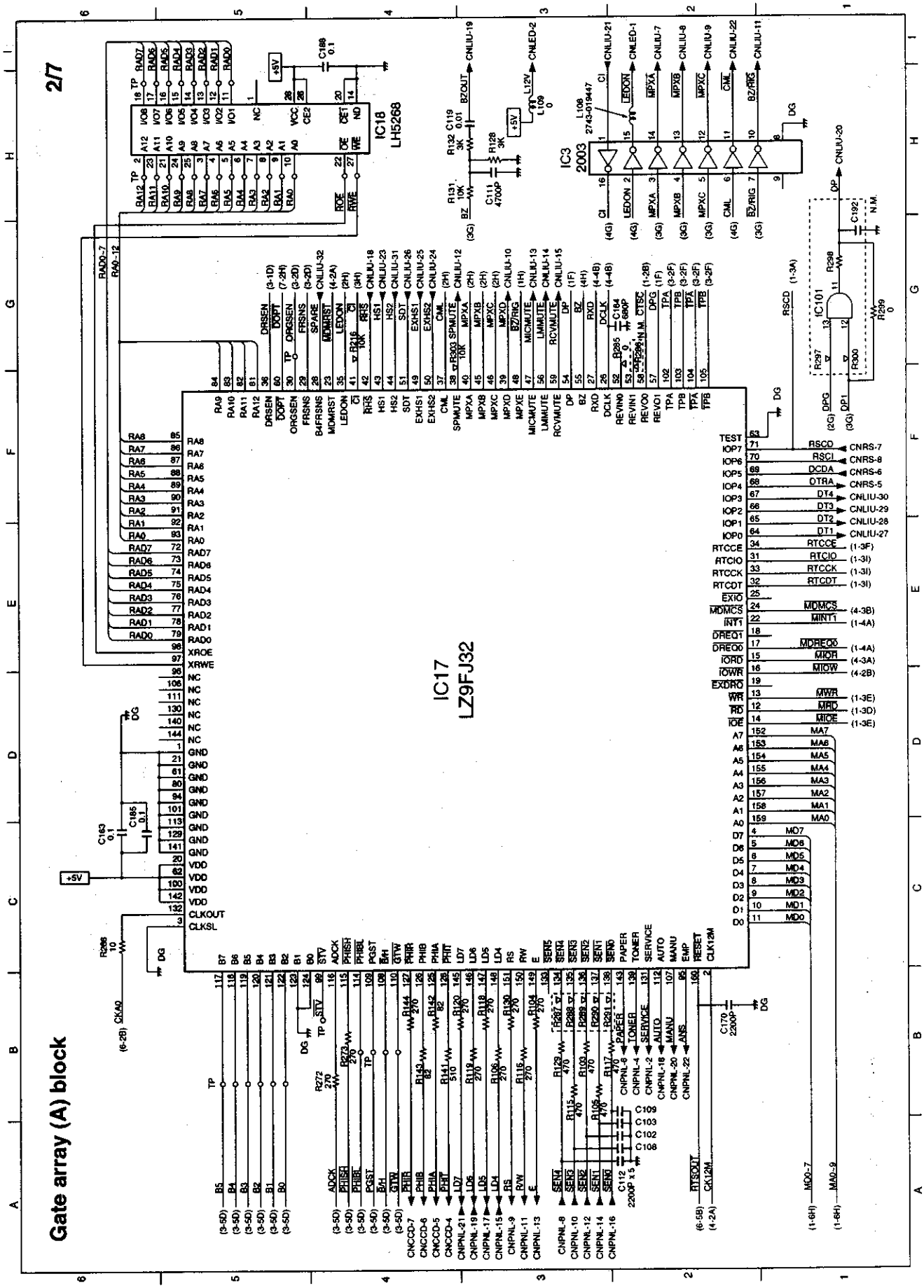
Each DC voltage supplied by rectifying the output of transformer T1 with diode D4 or D5 is stabilized by 3-terminal regulator IC1.

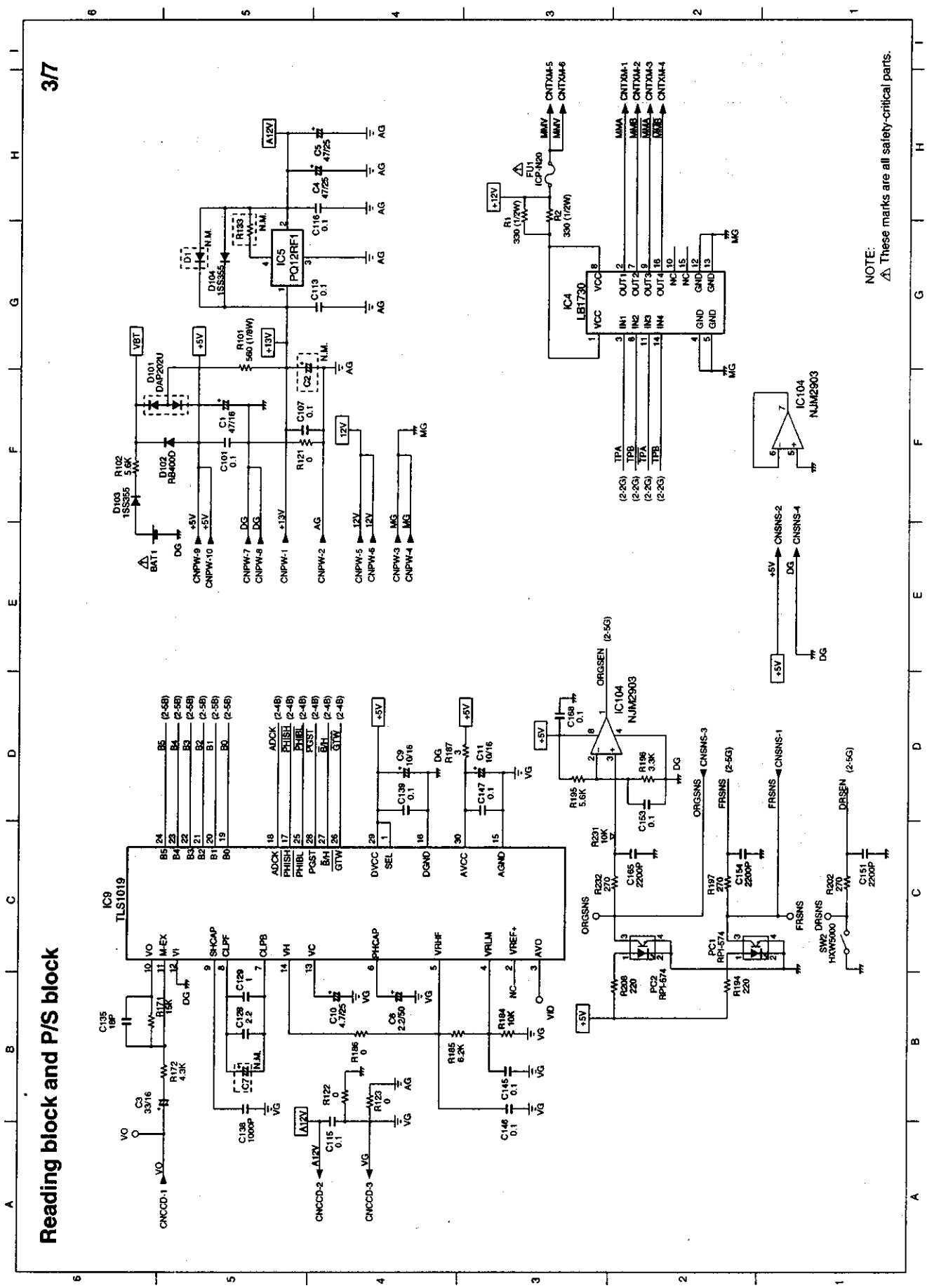
2-5. Heater circuit

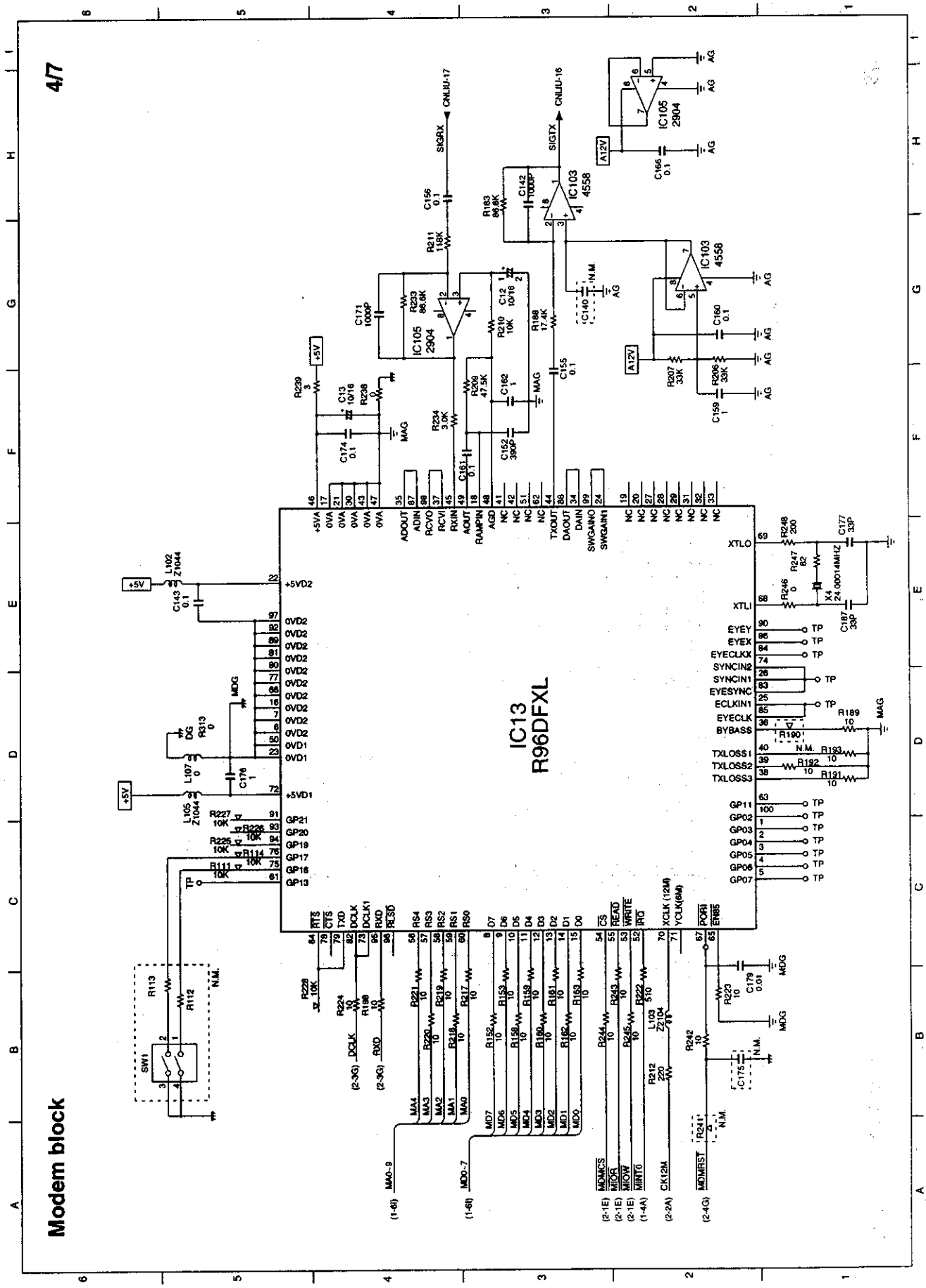
Heater circuit supplies AC voltage for heater lamp by TRIAC TRC1. TRIAC TRC1 is operated by HL ON signal through operation of photo coupler PC2.

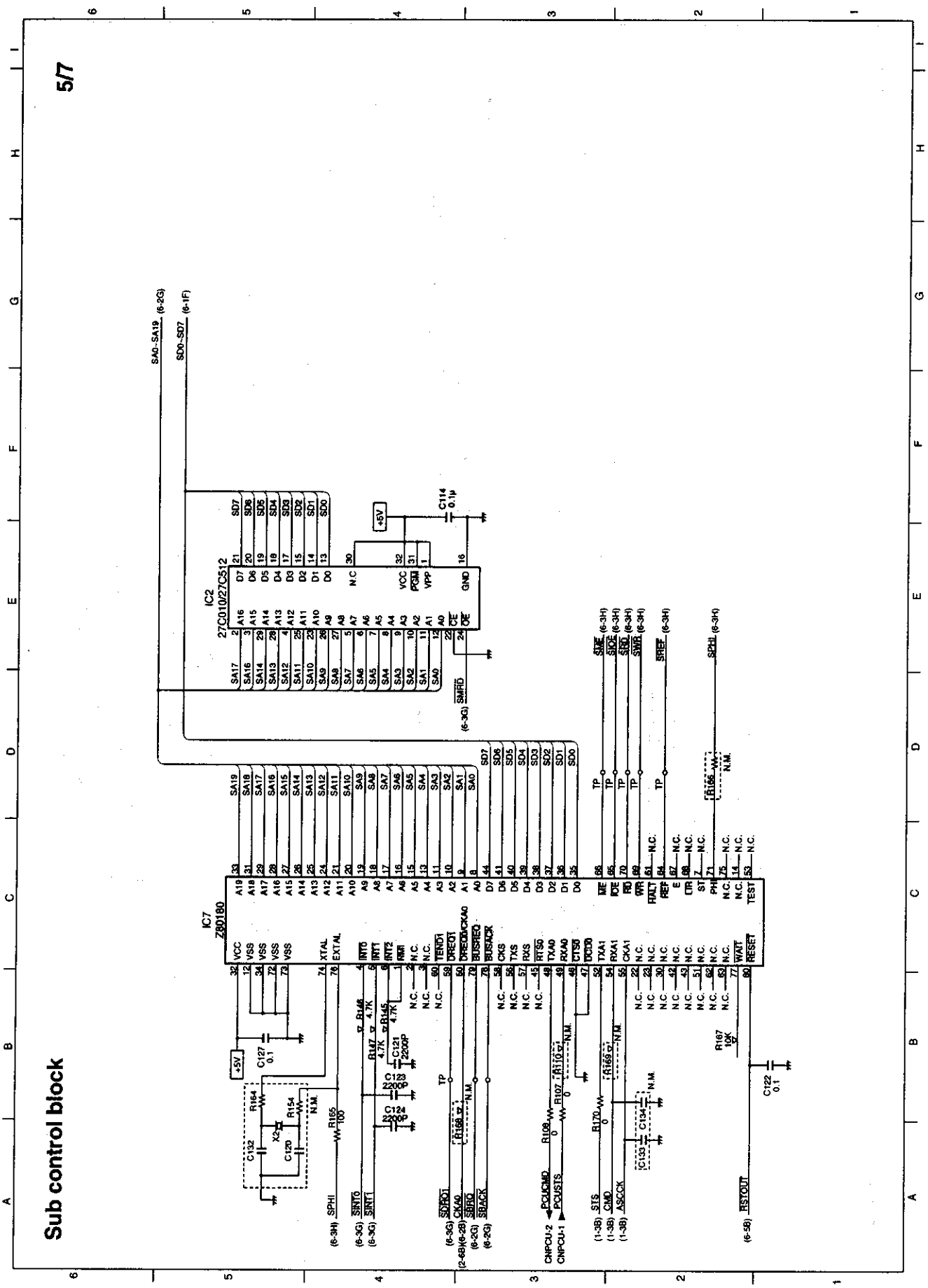
CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

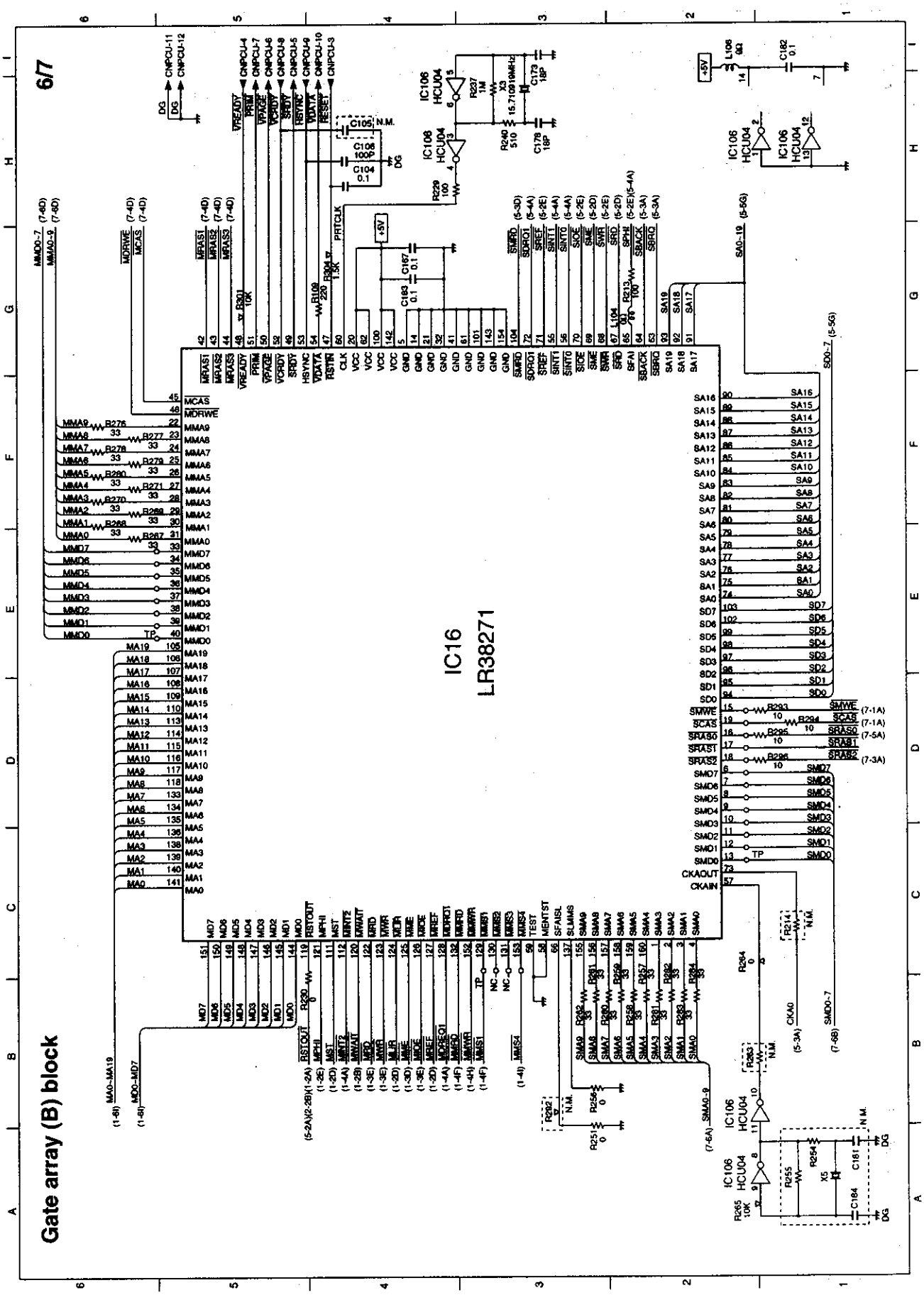


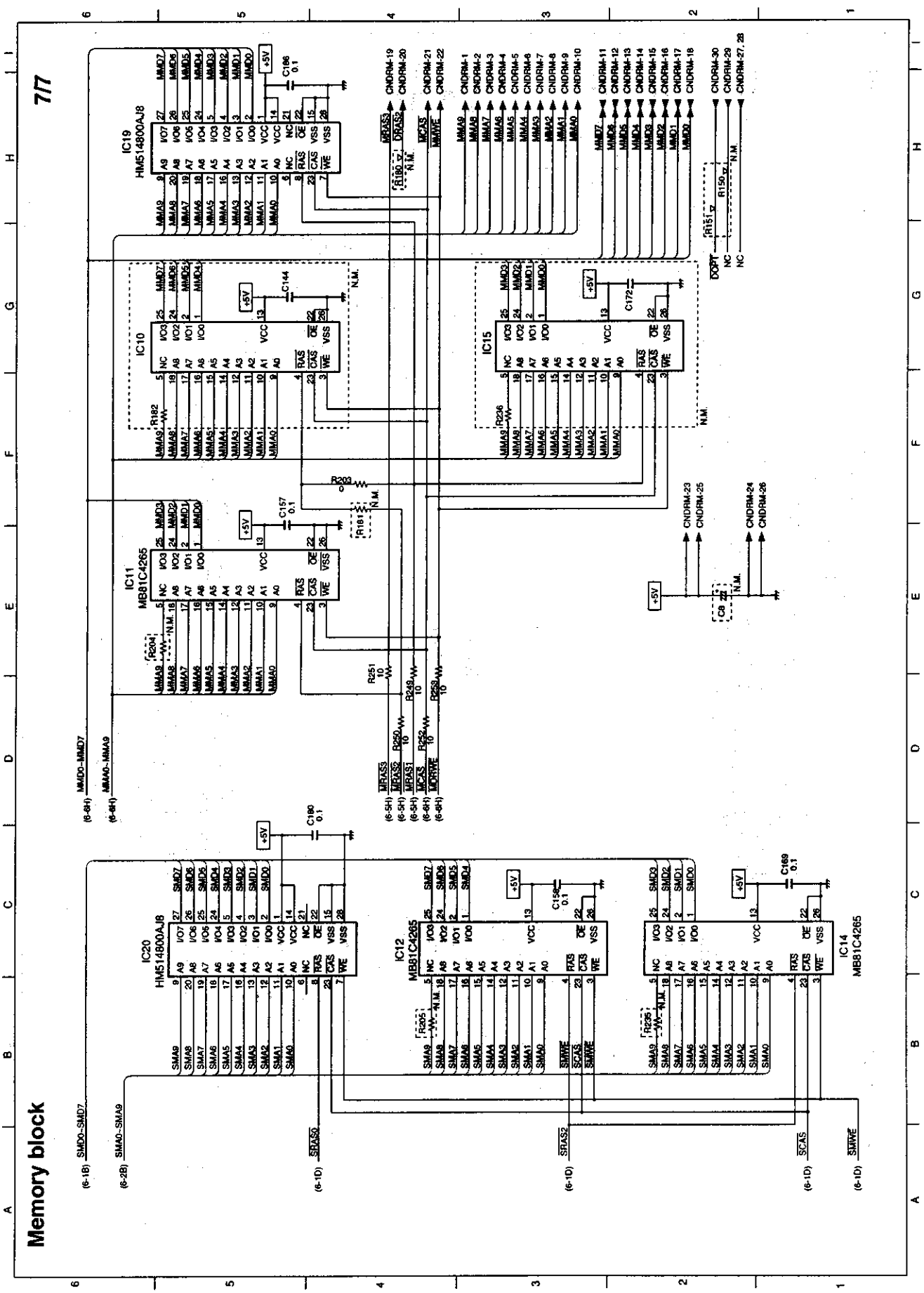

Gate array (A) block
2/7
IC17
LZ9FJ32
IC18
LH5268
IC3
2003
IC101


Reading block and P/S block
3/7
NOTE:
⚠ These marks are all safety-critical parts.

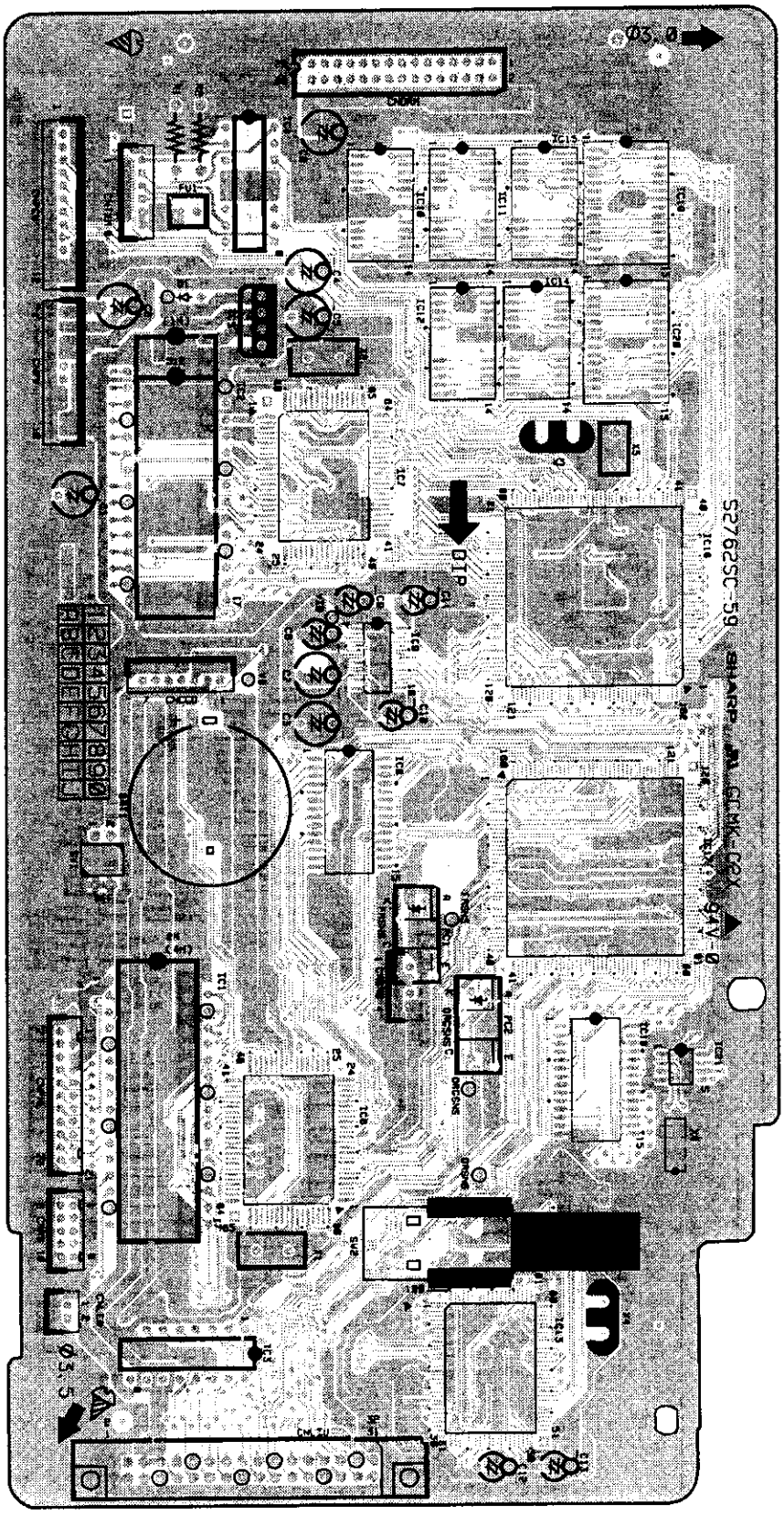

4/7
Modem block
IC13
R96DFXL
IC105
2904
IC103
4558
SW1
X4
24.00014MHZ


5/7
Sub control block
IC7
Z80180
IC2
27C010/27C512
SA0-SA19 (6-2G)
SD0-SD7 (6-1F)
+5V
C114 0.1μ
C127 0.1
C122 0.1
C121 220P
C123 22P
C124 22P
C132
C120
X2
R154
R155 100
R145 4.7K
R146 4.7K
R147 4.7K
R148 4.7K
R107 0
R108 0
R169 0
R170 0
R167 10K
R166
R165
R169
C133
C134
N.M.
TP
SPHI (6-3H)
SINT0 (6-3G)
SINT1 (6-3G)
SDRQ1 (6-3G)
CKA0 (2-6B)(6-2B)
SBRQ (6-2G)
SBACK (6-2G)
PCUCMD CNPCU-2
PCUSTS CNPCU-1
STS (1-3B)
CMD (1-3B)
ASCCK (1-3B)
RSTOUT (6-5B)
SMRD (6-3G)
SME (6-3H)
SIOE (6-3H)
SRD (6-3H)
SWR (6-3H)
SREF (6-3H)
SPH (6-3H)

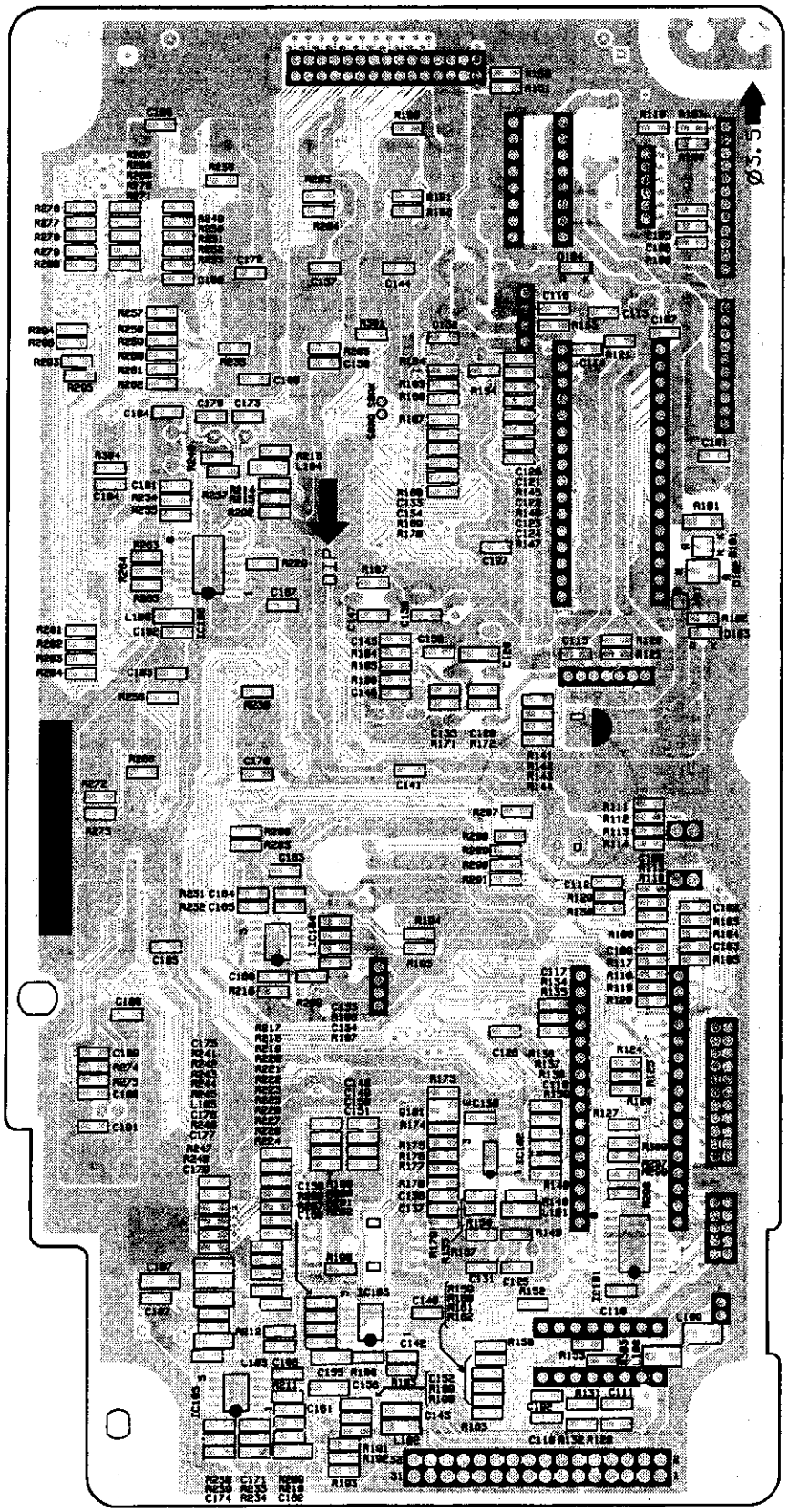

6/7
Gate array (B) block
IC16
LR38271

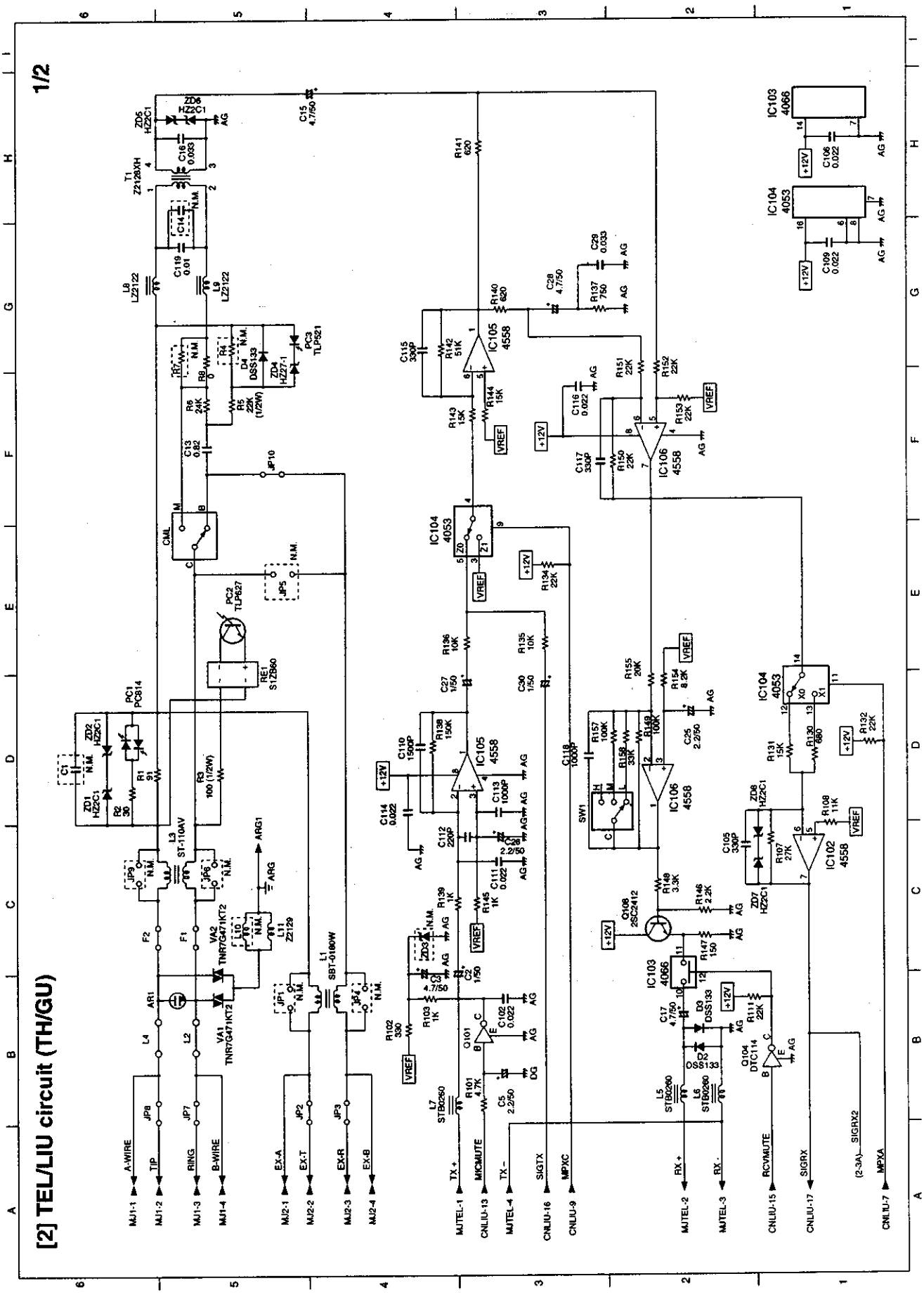

Memory block
7/7
IC19
HM514800AJ8
IC10
IC15
IC11
MB81C4265
IC20
HM514800AJ8
IC12
MB81C4265
IC14
MB81C4265
MMD0-MMD7
MMA0-MMA9
SMD0-SMD7
SMA0-SMA9
SRAS0
SRAS2
SCAS
SMWE
CNDRM-1
CNDRM-2
CNDRM-3
CNDRM-4
CNDRM-5
CNDRM-6
CNDRM-7
CNDRM-8
CNDRM-9
CNDRM-10
CNDRM-11
CNDRM-12
CNDRM-13
CNDRM-14
CNDRM-15
CNDRM-16
CNDRM-17
CNDRM-18
CNDRM-19
CNDRM-20
CNDRM-21
CNDRM-22
CNDRM-23
CNDRM-25
CNDRM-24
CNDRM-26
CNDRM-27, 28
CNDRM-29
CNDRM-30
MRAS3
MRAS2
MRAS1
MRAS0
MCAS
MWE
DOPT
+5V
N.M.

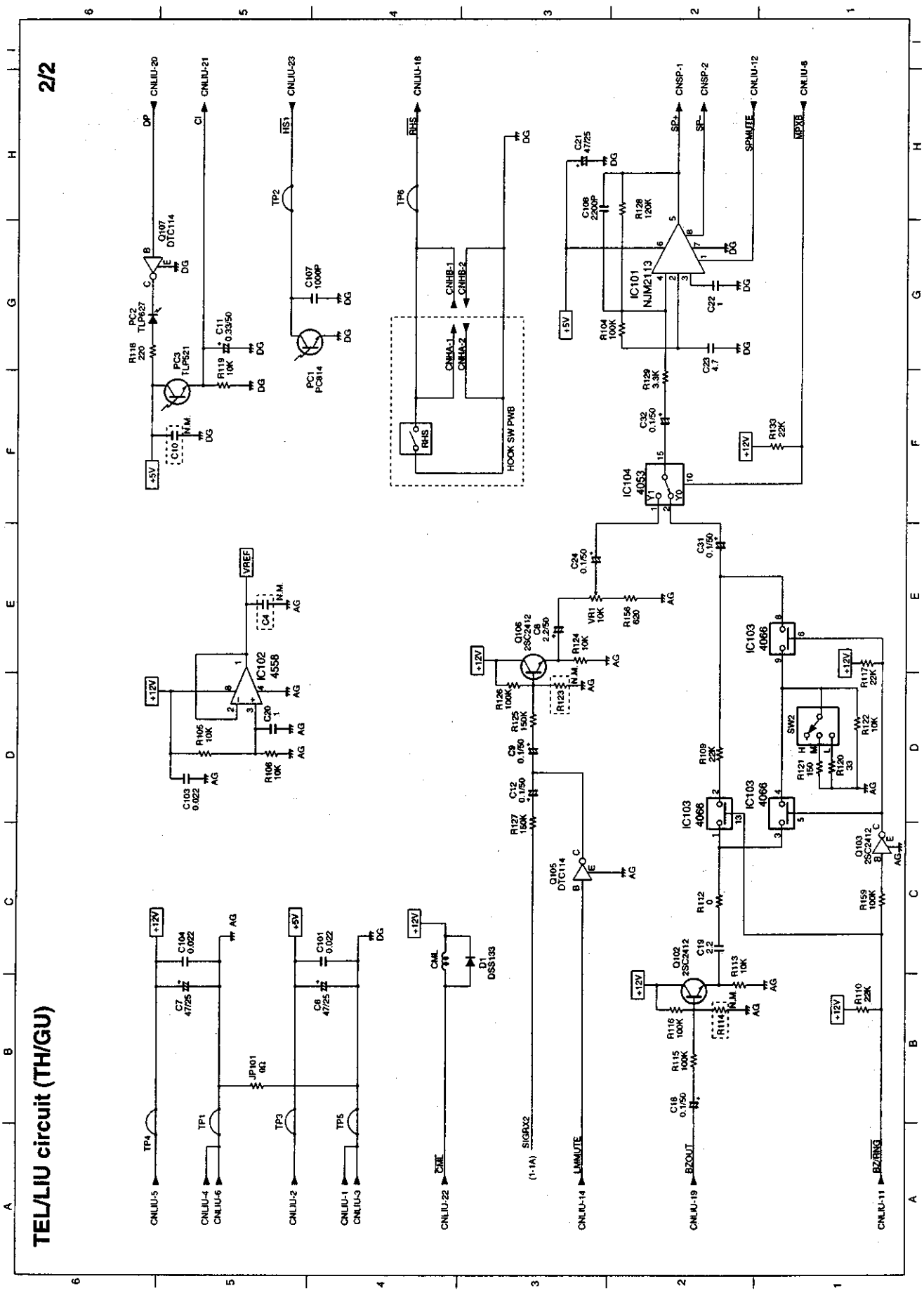
Control PWB parts layout (Top side)



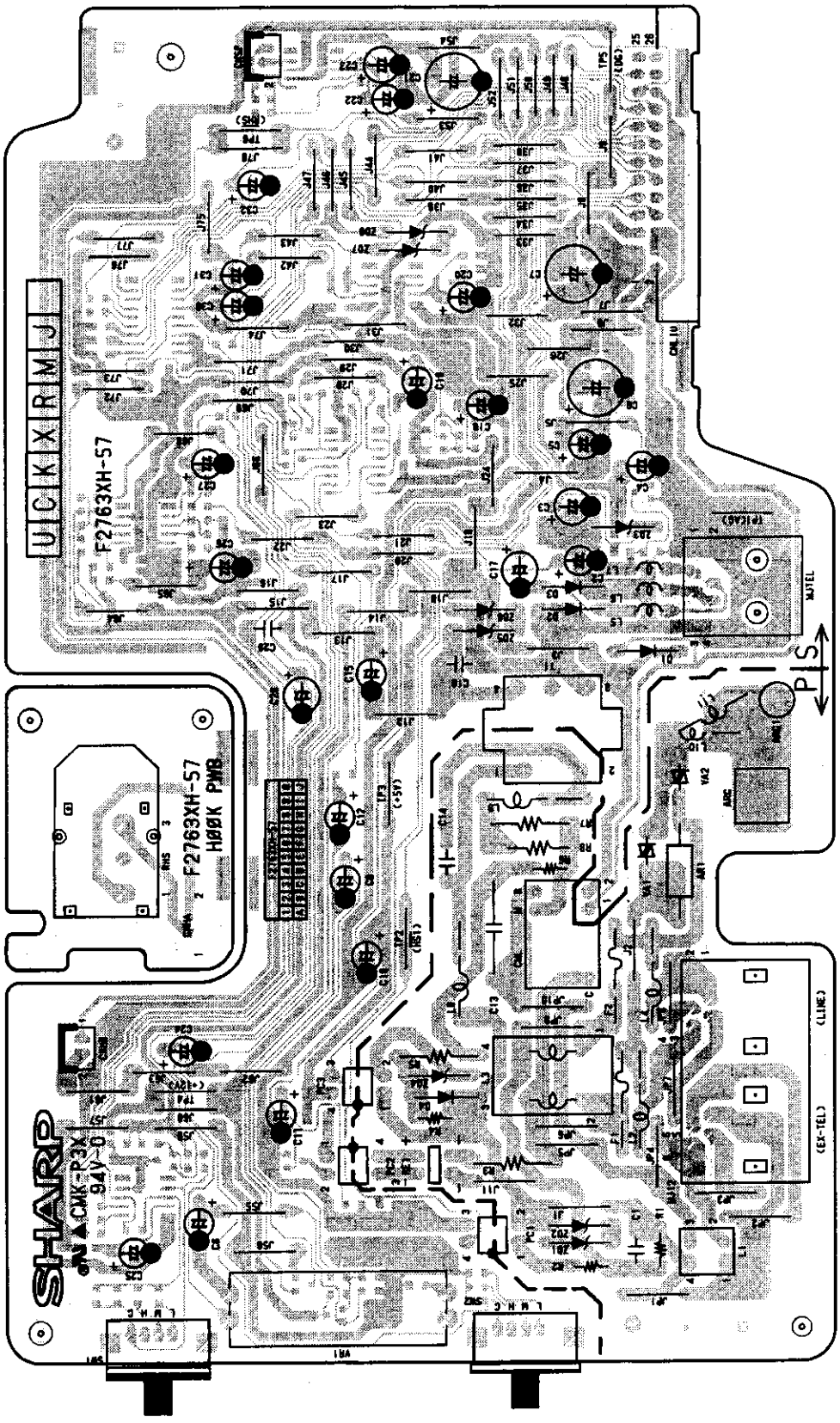
Control PWB parts layout (Bottom side)



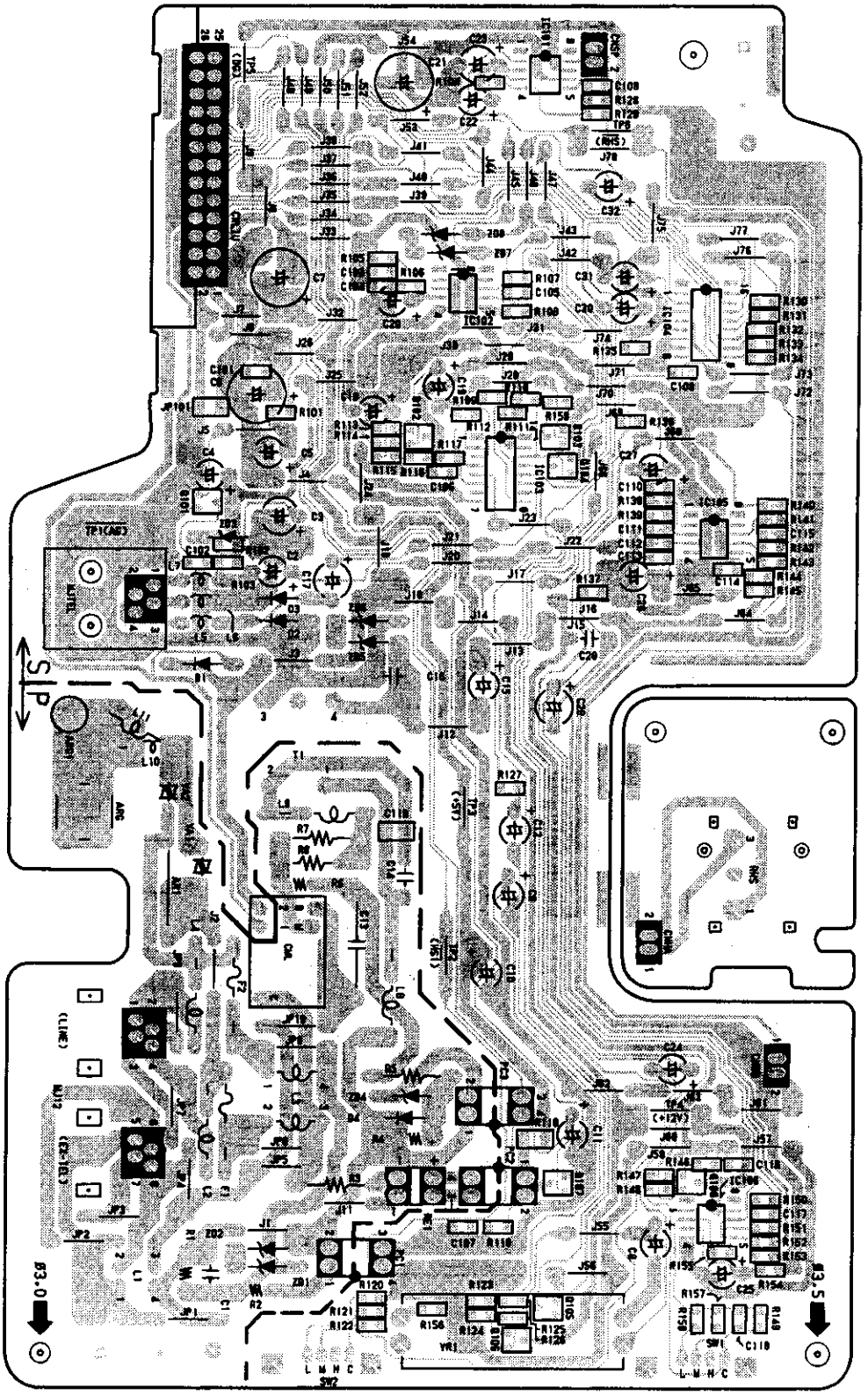

[2] TEL/LIU circuit (TH/GU)
1/2

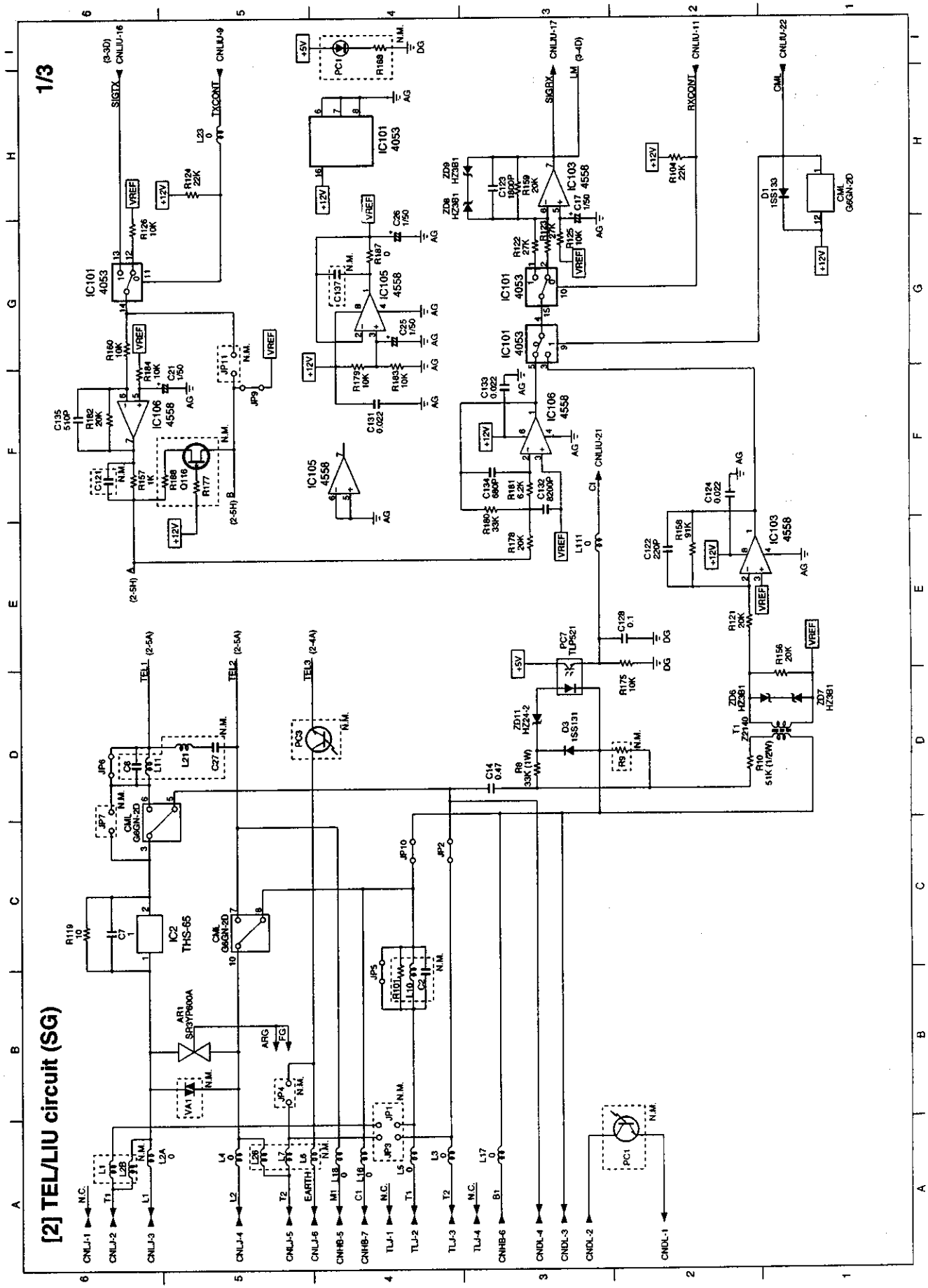

TEL/LIU circuit (TH/GU)
2/2
CNLIU-20
CNLIU-21
CNLIU-23
CNLIU-18
CNSP-1
CNSP-2
CNLIU-12
CNLIU-6
HOOK SW PWB
IC101 NJM2113
IC102 4558
IC103 4066
IC104 4053
Q105 DTC114
Q106 2SC2412
Q107 DTC114
Q102 2SC2412
Q103 2SC2412
D1 DSS133
PC1 PC814
PC2 TLP627
PC3 TLP621
JP101 0Ω
SW2
SIGRX2
(1-1A)
LNMUTE
CML
BZOUT
BZRING
CNLIU-5
CNLIU-4
CNLIU-6
CNLIU-2
CNLIU-1
CNLIU-3
CNLIU-22
CNLIU-14
CNLIU-19
CNLIU-11

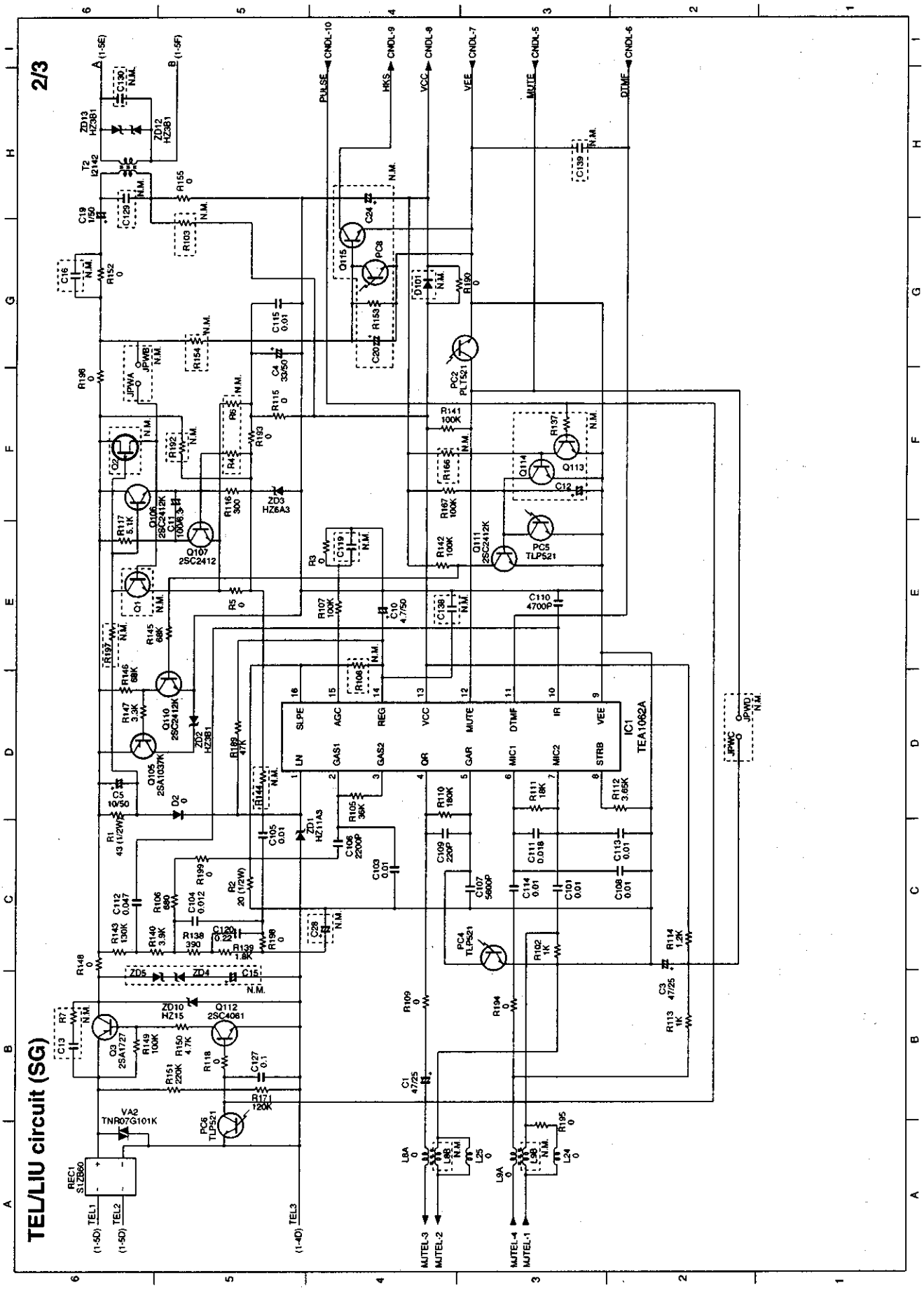
TEL/LIU PWB parts layout (Top side) (TH/GU)

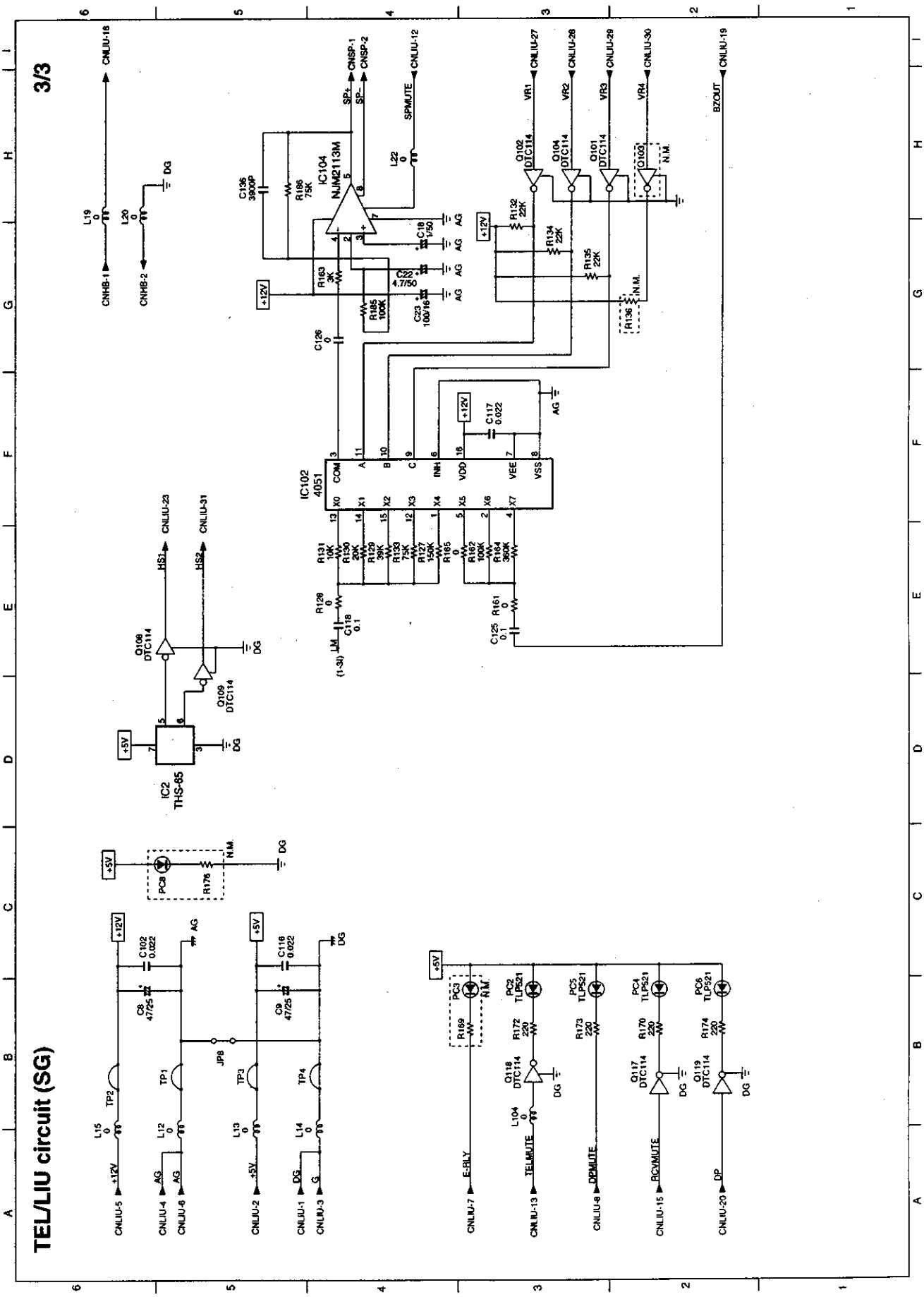


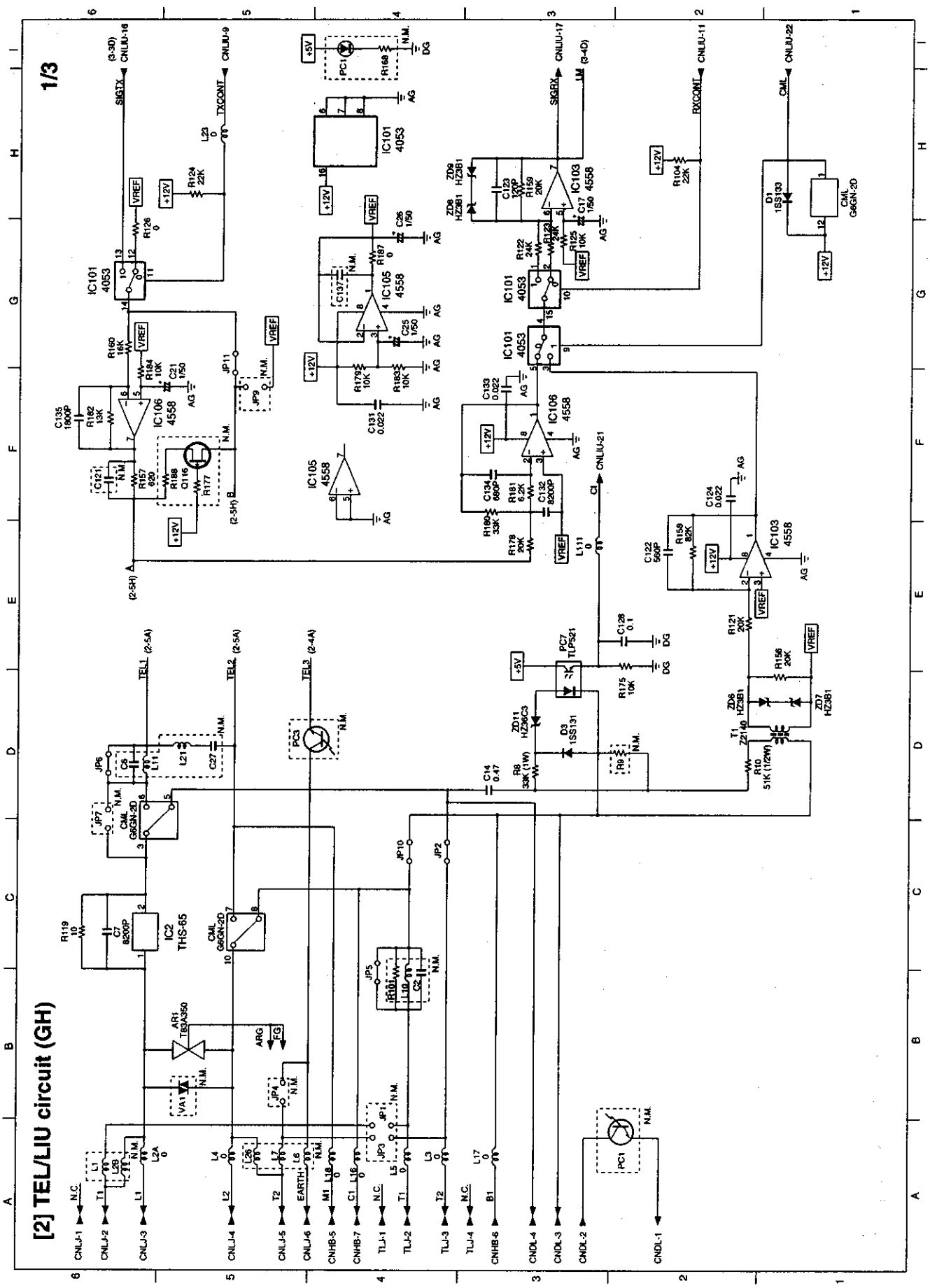
TEL/LIU PWB parts layout (Bottom side) (TH/GU)

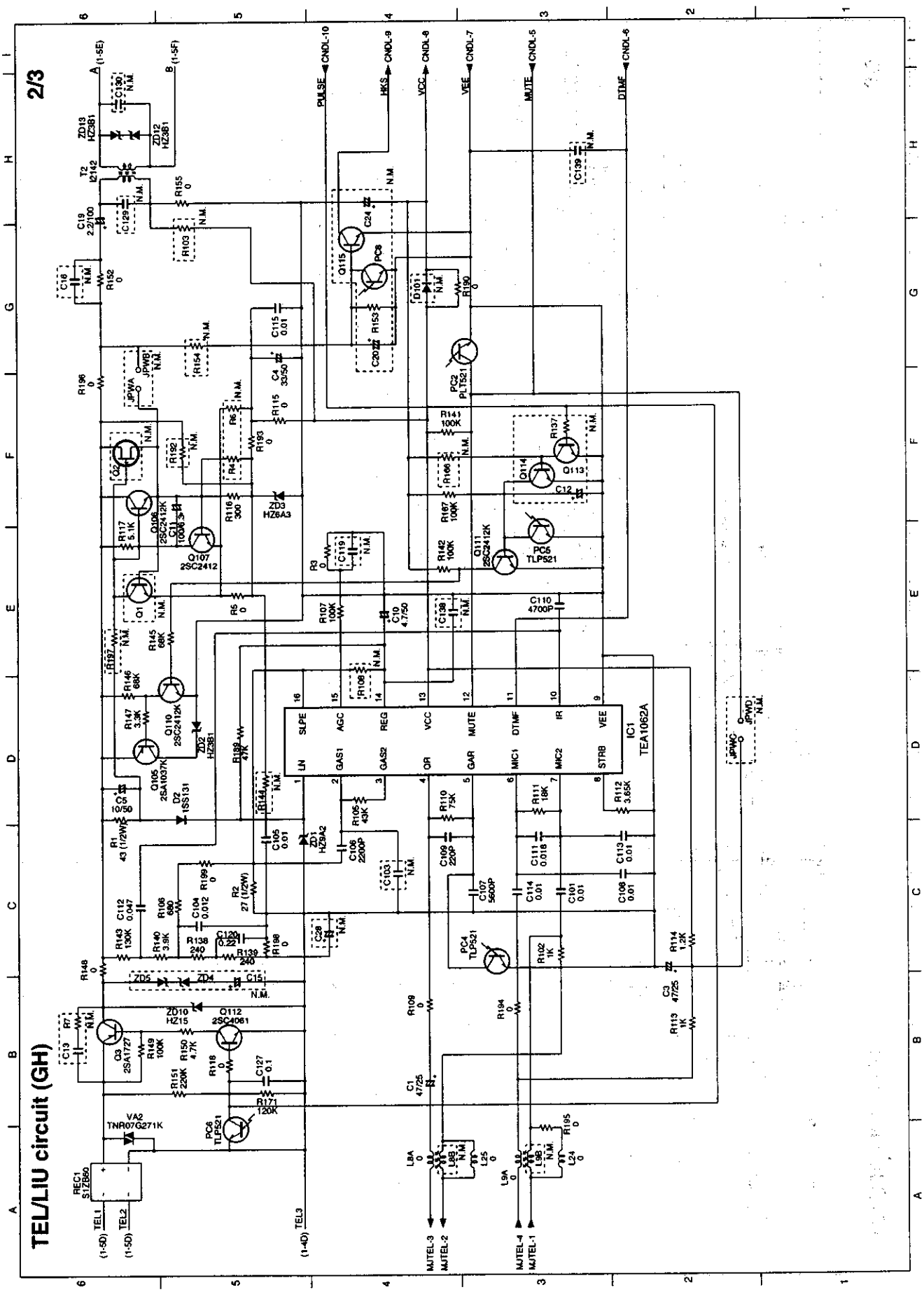


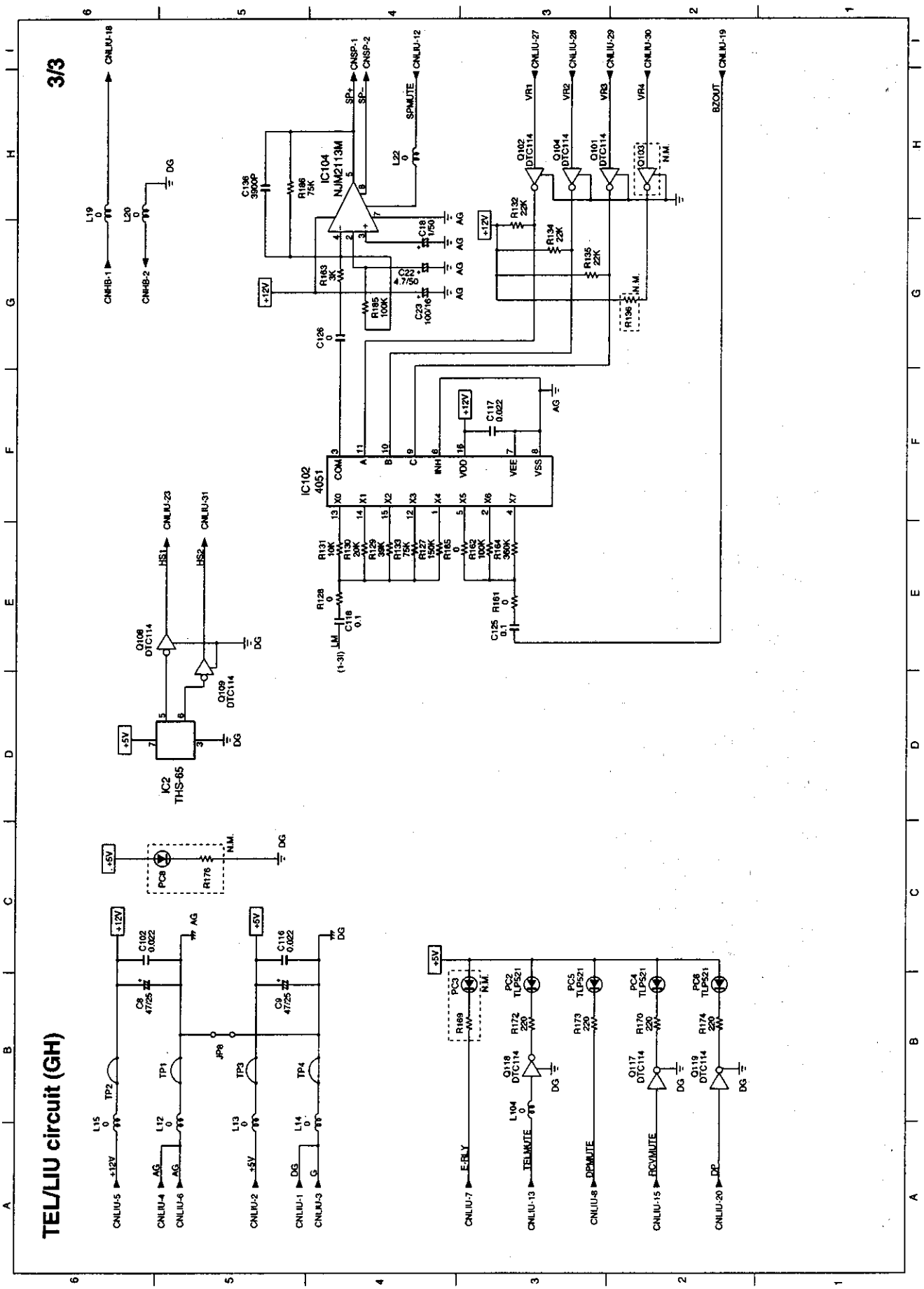

[2] TEL/LIU circuit (SG)
1/3


2/3
TEL/LIU circuit (SG)
PULSE
HKS
VCC
VEE
MUTE
DTMF
IC1
TEA1062A
SLPE
AGC
REG
VCC
MUTE
DTMF
IR
VEE
LN
GAS1
GAS2
QR
GAR
MIC1
MIC2
STRB
TEL1
TEL2
TEL3
MJTEL-3
MJTEL-2
MJTEL-4
MJTEL-1

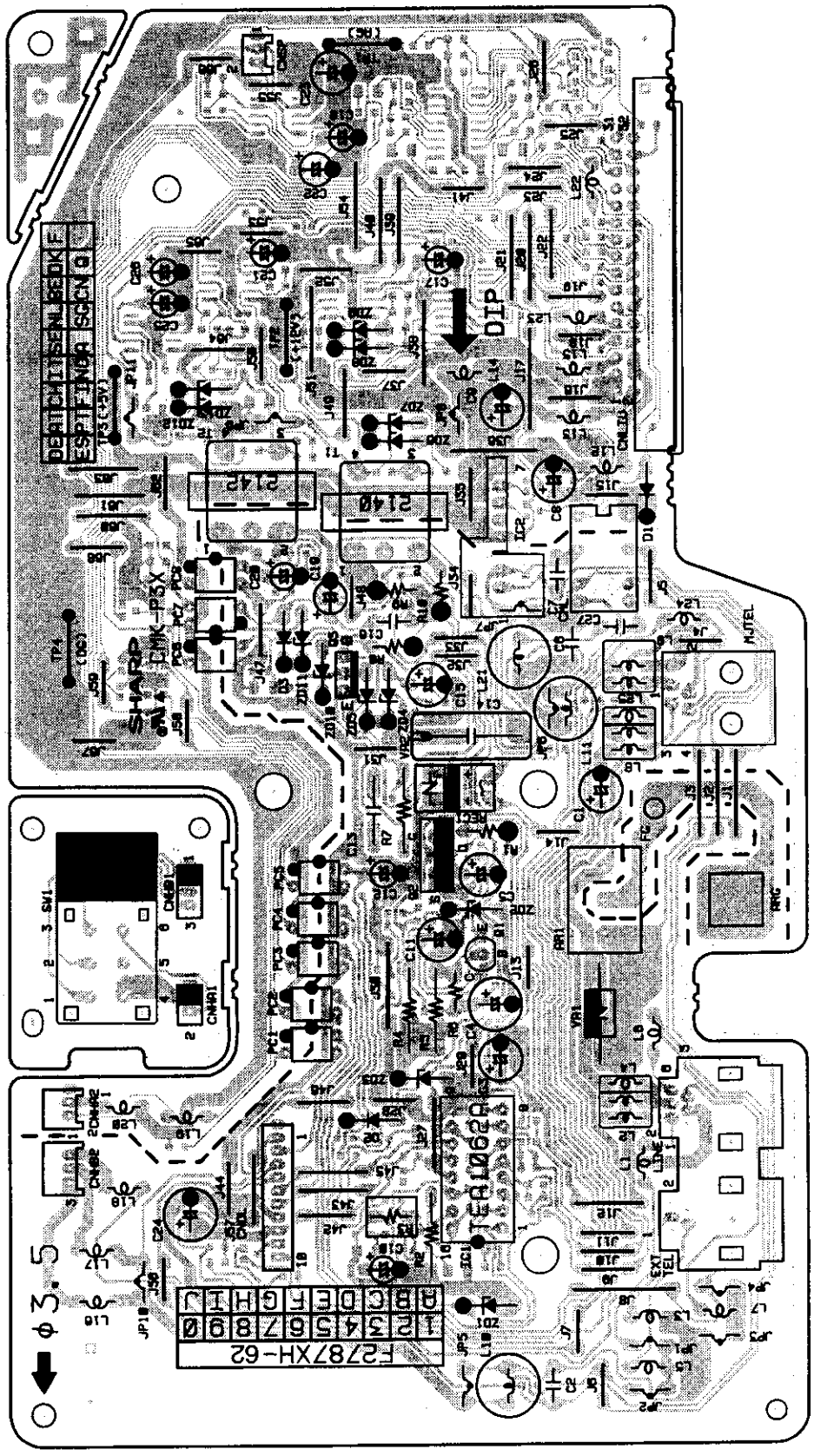

TEL/LIU circuit (SG)
3/3
CNLIU-18
CNHB-1
CNHB-2
L19
L20
DG
C136
3900P
R186
75K
IC104
NJM2113M
SP+
SP-
CNSP-1
CNSP-2
CNLIU-12
SPMUTE
L22
C18
1/50
AG
C22
4.7/50
C23
100/16
R163
3K
R185
100K
+12V
C126
IC102
4051
COM
INH
VDD
VEE
VSS
C117
0.022
R131
10K
R130
20K
R129
39K
R133
75K
R127
150K
R165
R162
100K
R164
360K
R128
C118
0.1
LM
(1-30)
C125
0.1
R161
CNLIU-27
CNLIU-28
CNLIU-29
CNLIU-30
VR1
VR2
VR3
VR4
Q102
DTC114
Q104
DTC114
Q101
DTC114
Q103
N.M.
R132
22K
R134
22K
R135
22K
R136
N.M.
BZOUT
CNLIU-19
CNLIU-23
CNLIU-31
HS1
HS2
Q109
DTC114
Q109
DTC114
+5V
IC2
THS-65
PC8
R175
N.M.
C102
0.022
C9
4725
C116
0.022
C9
4725
JP8
TP1
TP2
TP3
TP4
L15
L12
L13
L14
CNLIU-5
CNLIU-4
CNLIU-6
CNLIU-2
CNLIU-1
CNLIU-3
PC3
N.M.
PC2
TLP521
PC5
TLP521
PC4
TLP521
PC6
TLP521
R169
R172
220
R173
220
R170
220
R174
220
Q118
DTC114
Q117
DTC114
Q119
DTC114
L104
CNLIU-7
CNLIU-13
CNLIU-8
CNLIU-15
CNLIU-20
E-BLY
TELMUTE
DPMUTE
RCVMUTE
DP


[2] TEL/LIU circuit (GH)
1/3

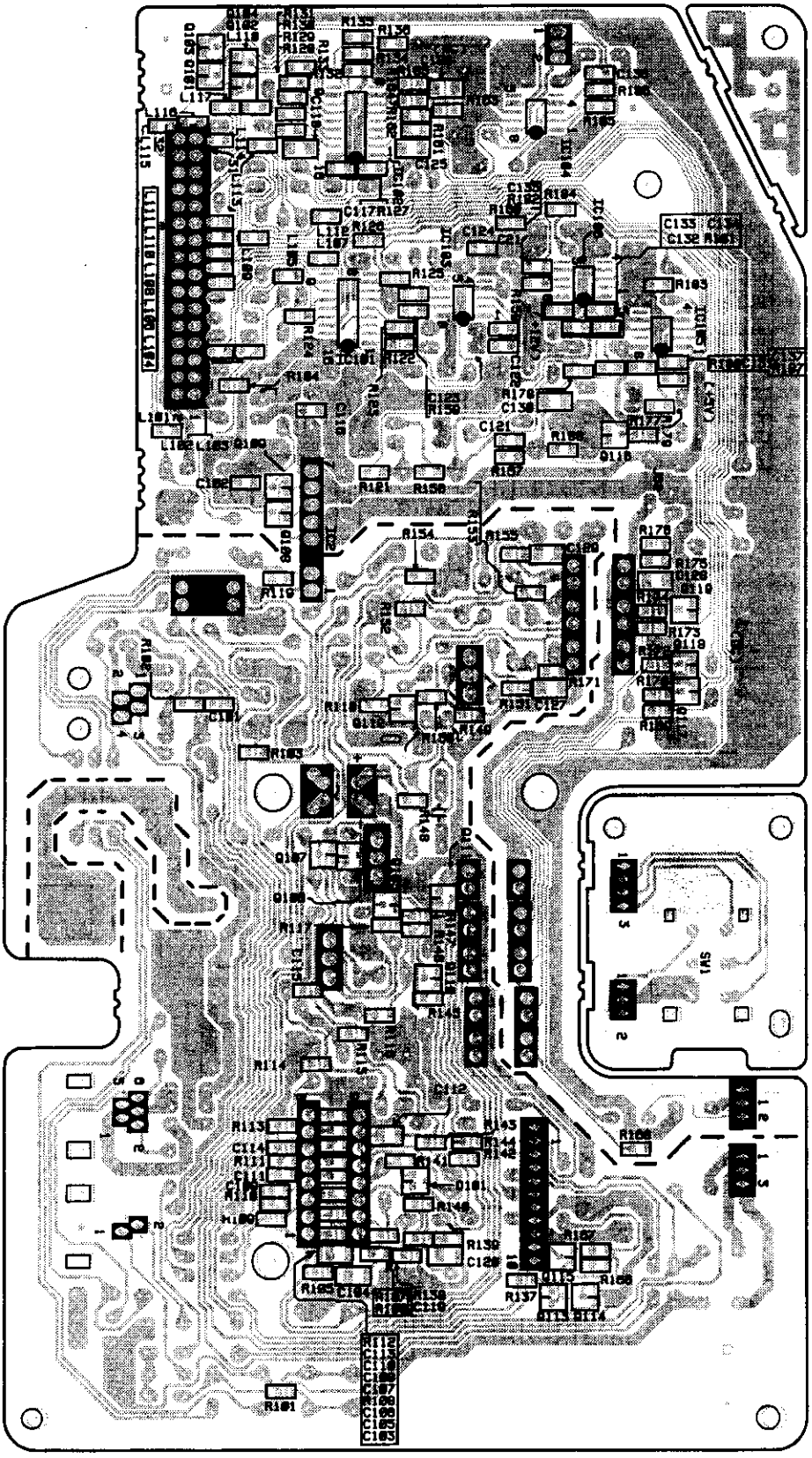

TEL/LIU circuit (GH)
2/3
IC1
TEA1062A
SLPE
AGC
REG
VCC
MUTE
DTMF
IR
VEE
LN
GAS1
GAS2
OR
GAR
MIC1
MIC2
STRB
PULSE
HKS
VCC
VEE
MUTE
DTMF
TEL1
TEL2
TEL3
MUTEL-1
MUTEL-2
MUTEL-3
MUTEL-4


3/3
TEL/LIU circuit (GH)
IC104 NJM2113M
IC102 4051
IC2 THS-65
CNLIU-18
CNLIU-12
CNLIU-27
CNLIU-28
CNLIU-29
CNLIU-30
CNLIU-19
CNLIU-23
CNLIU-31
CNLIU-5
CNLIU-4
CNLIU-6
CNLIU-2
CNLIU-1
CNLIU-3
CNLIU-7
CNLIU-13
CNLIU-8
CNLIU-15
CNLIU-20
CNHB-1
CNHB-2
+12V
+5V
AG
DG
N.M.
E-RLY
TELMUTE
DPMUTE
RCVMUTE
DP
BZOUT

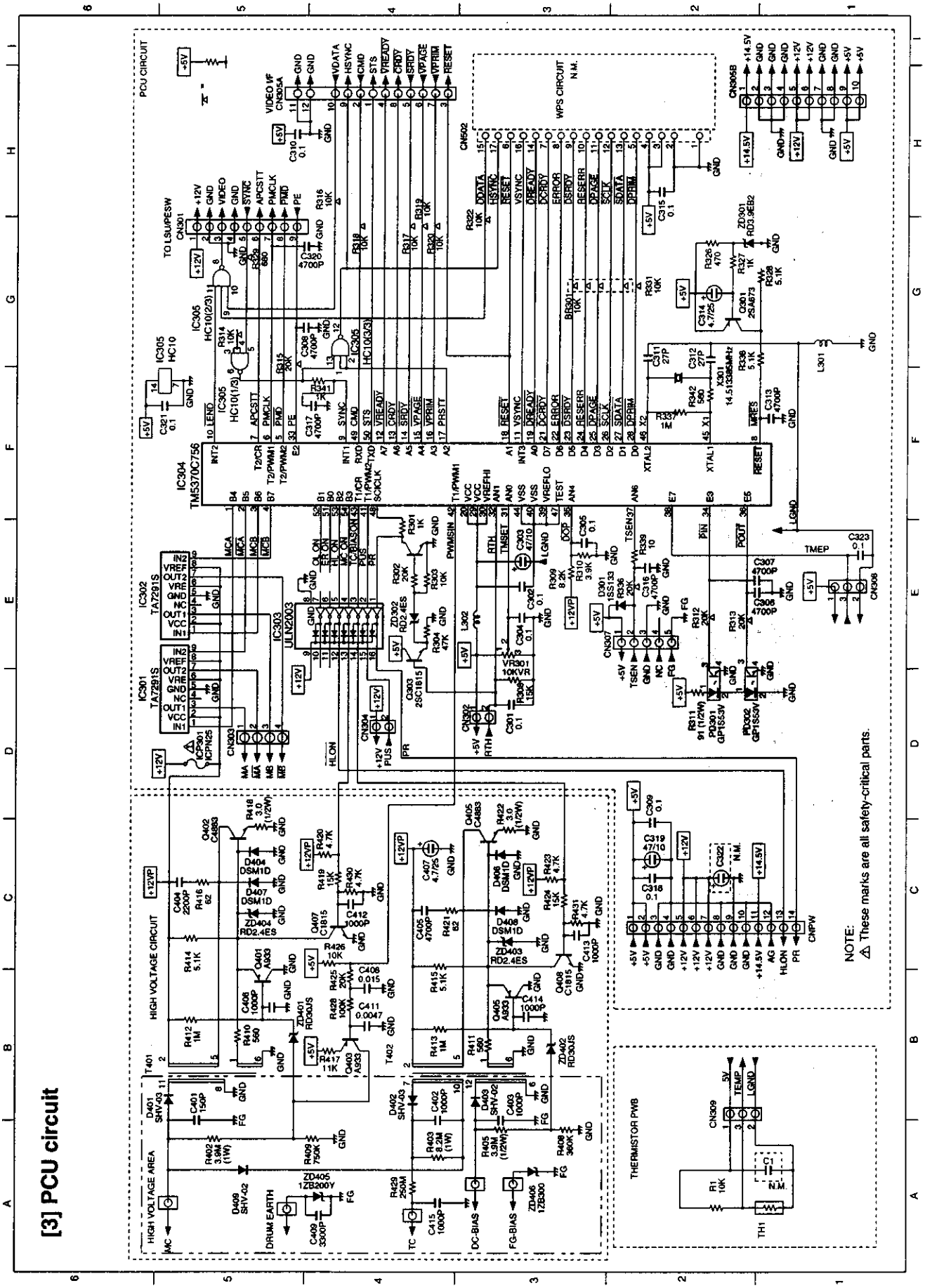
TEL/LIU PWB parts layout (Top side) (SG/GH)



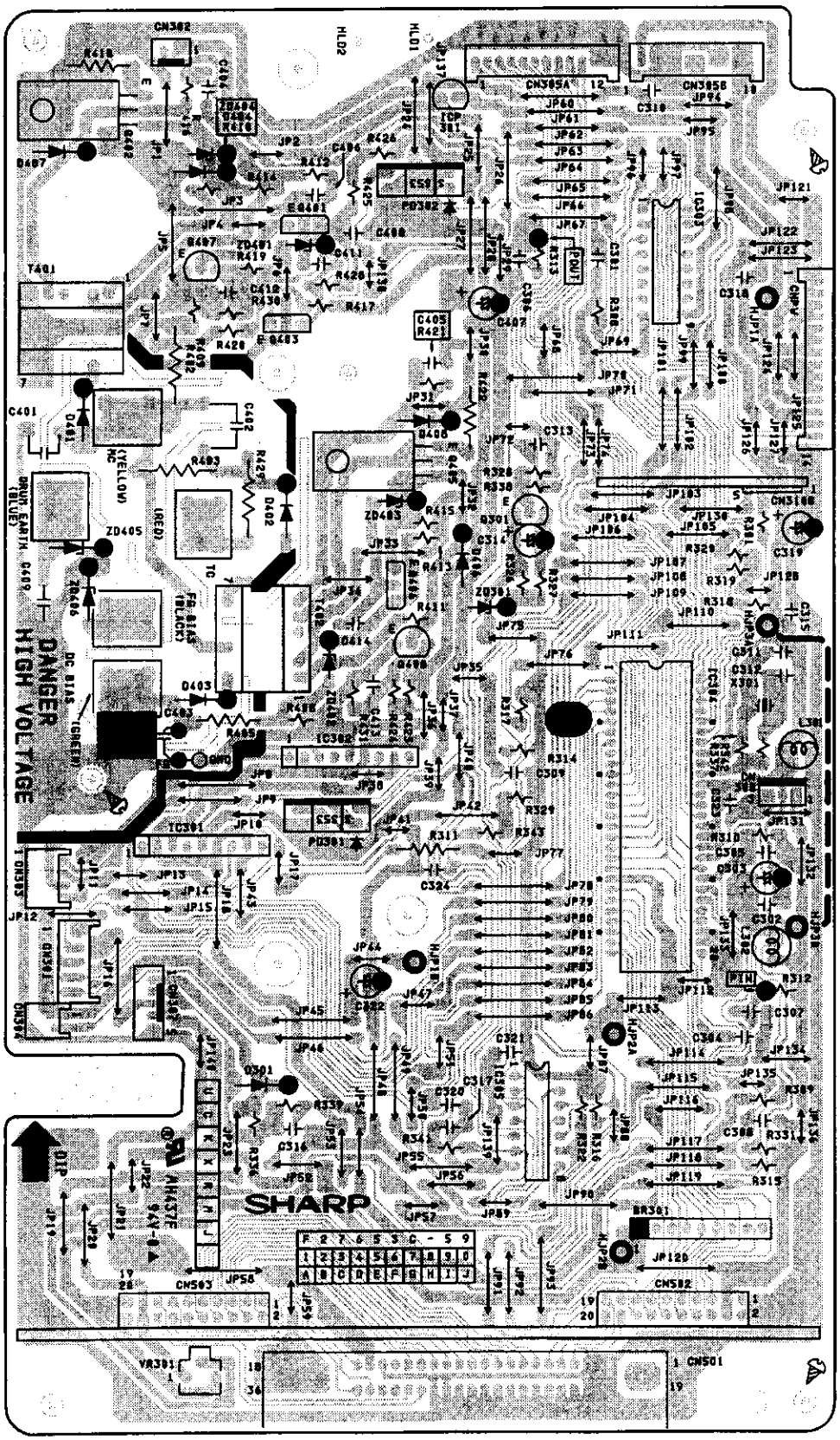
TEL/LIU PWB parts layout (Bottom side) (SG/GH)

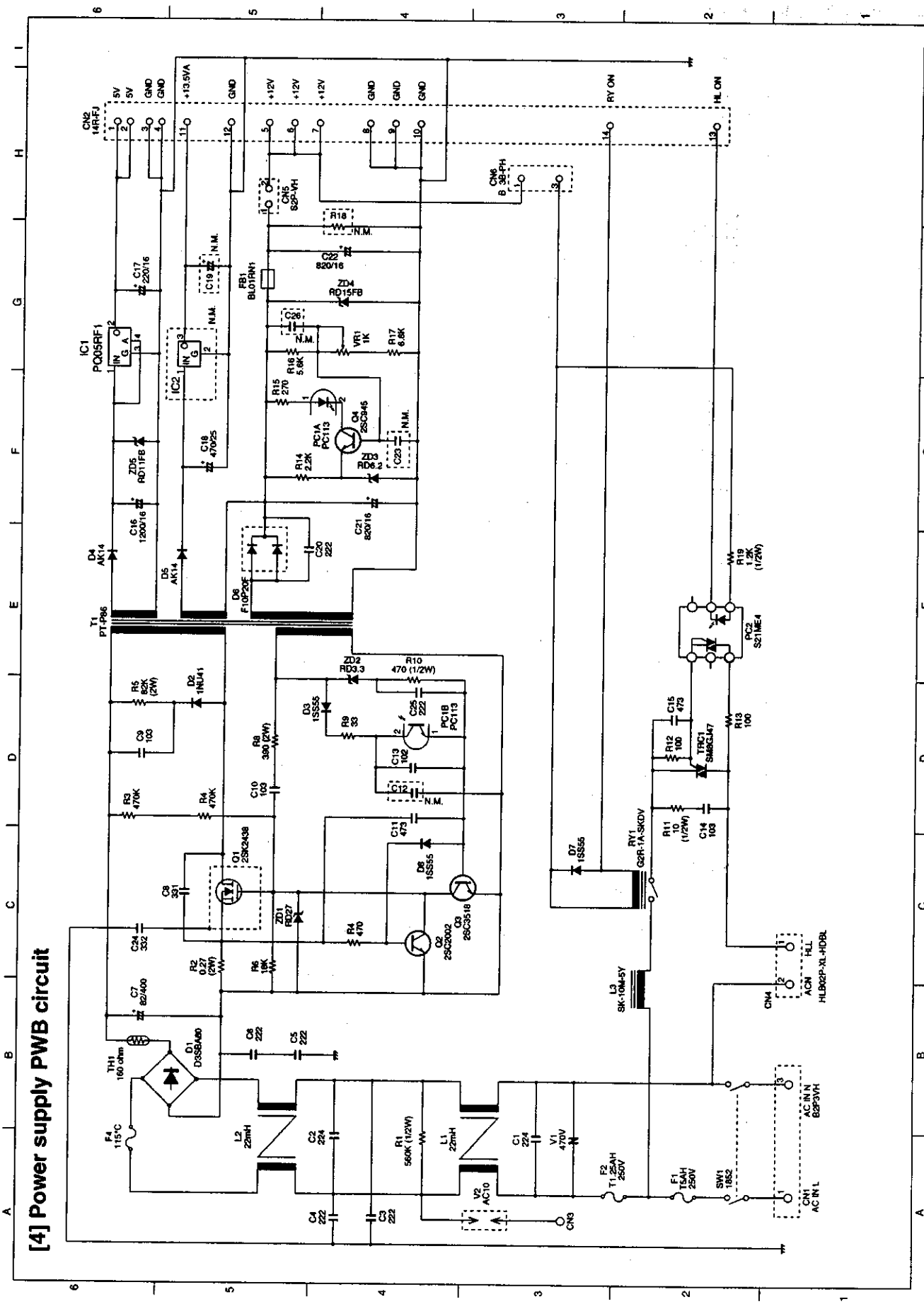


[3] PCU circuit

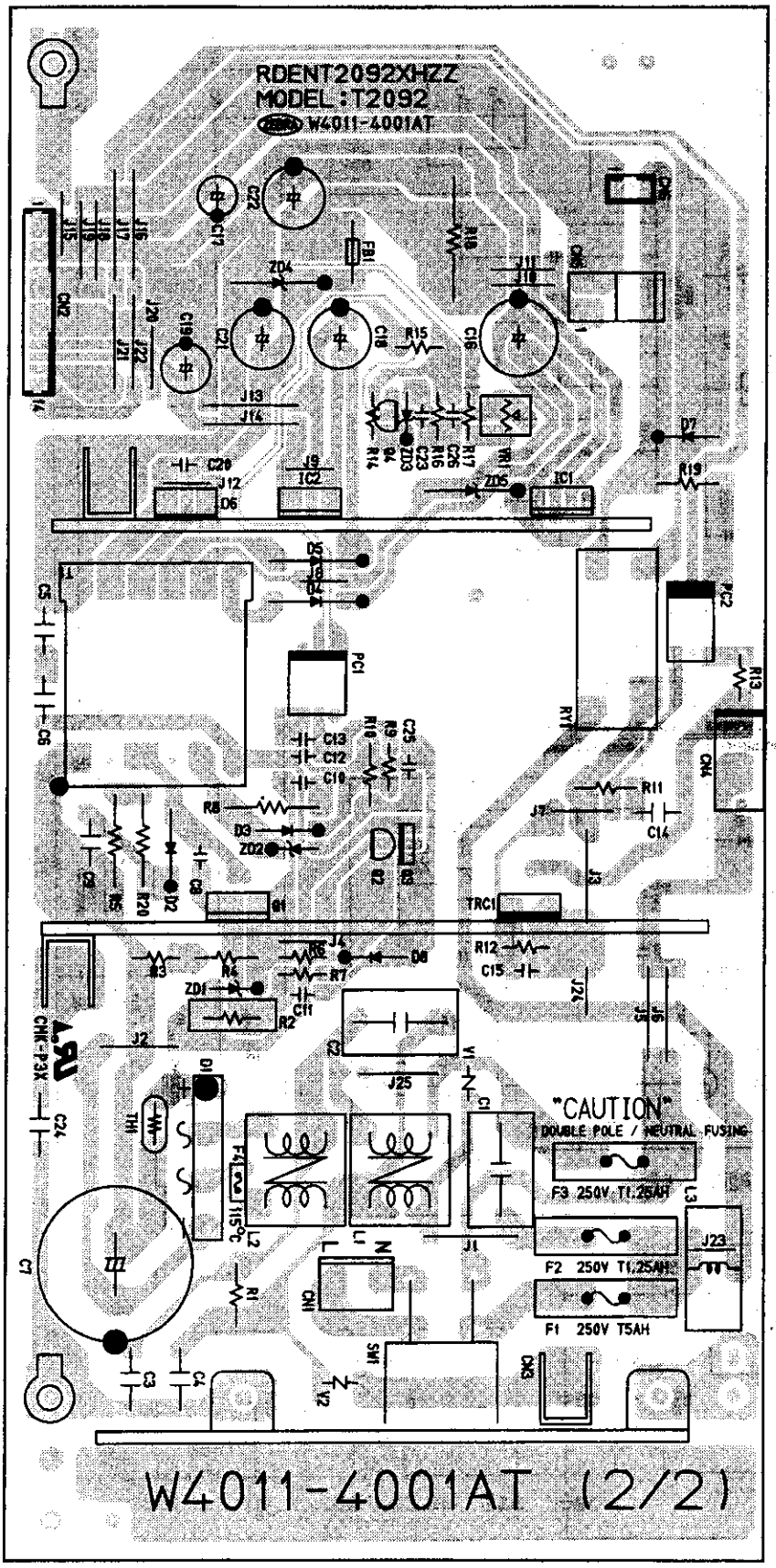


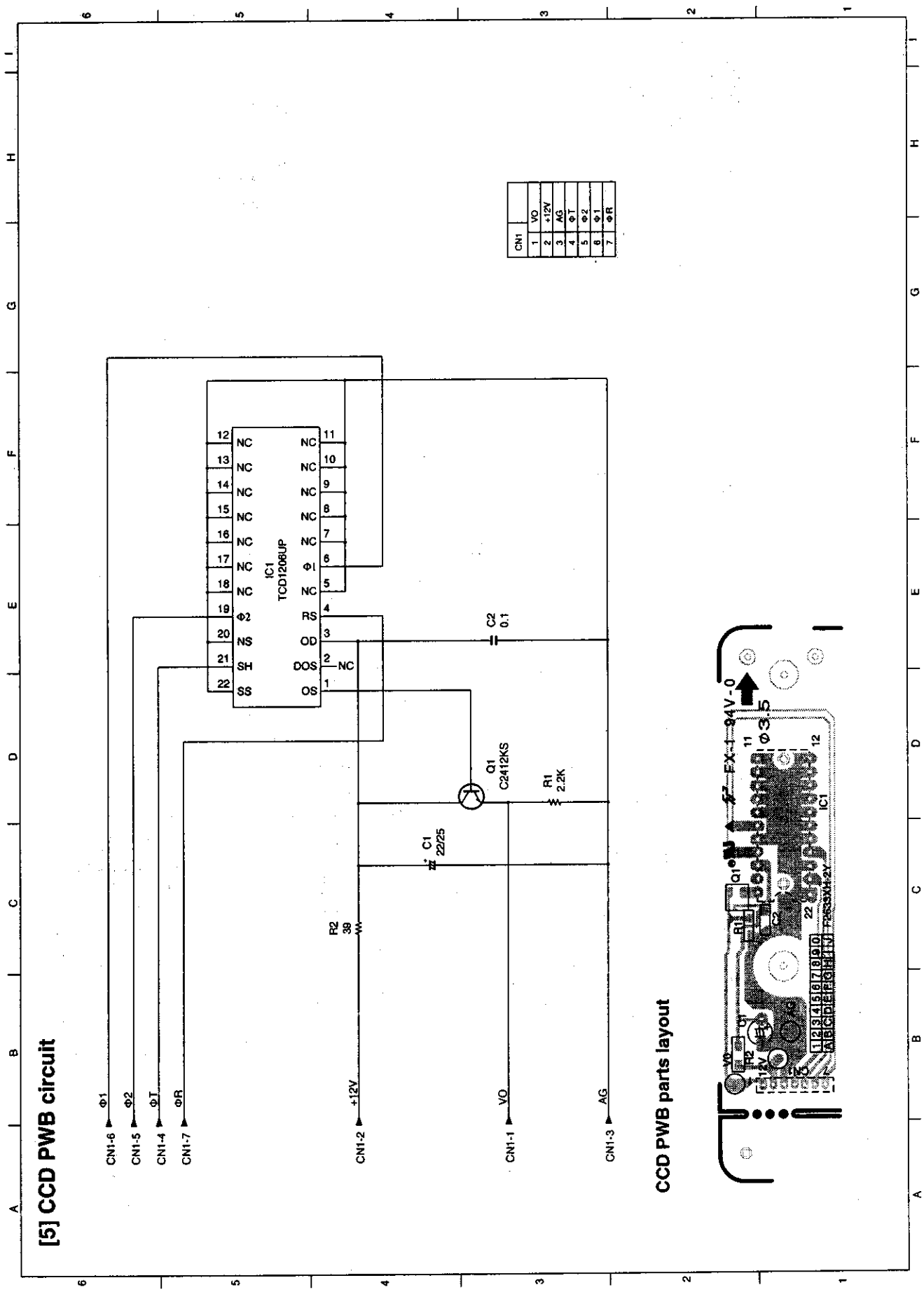
PCU PWB parts layout



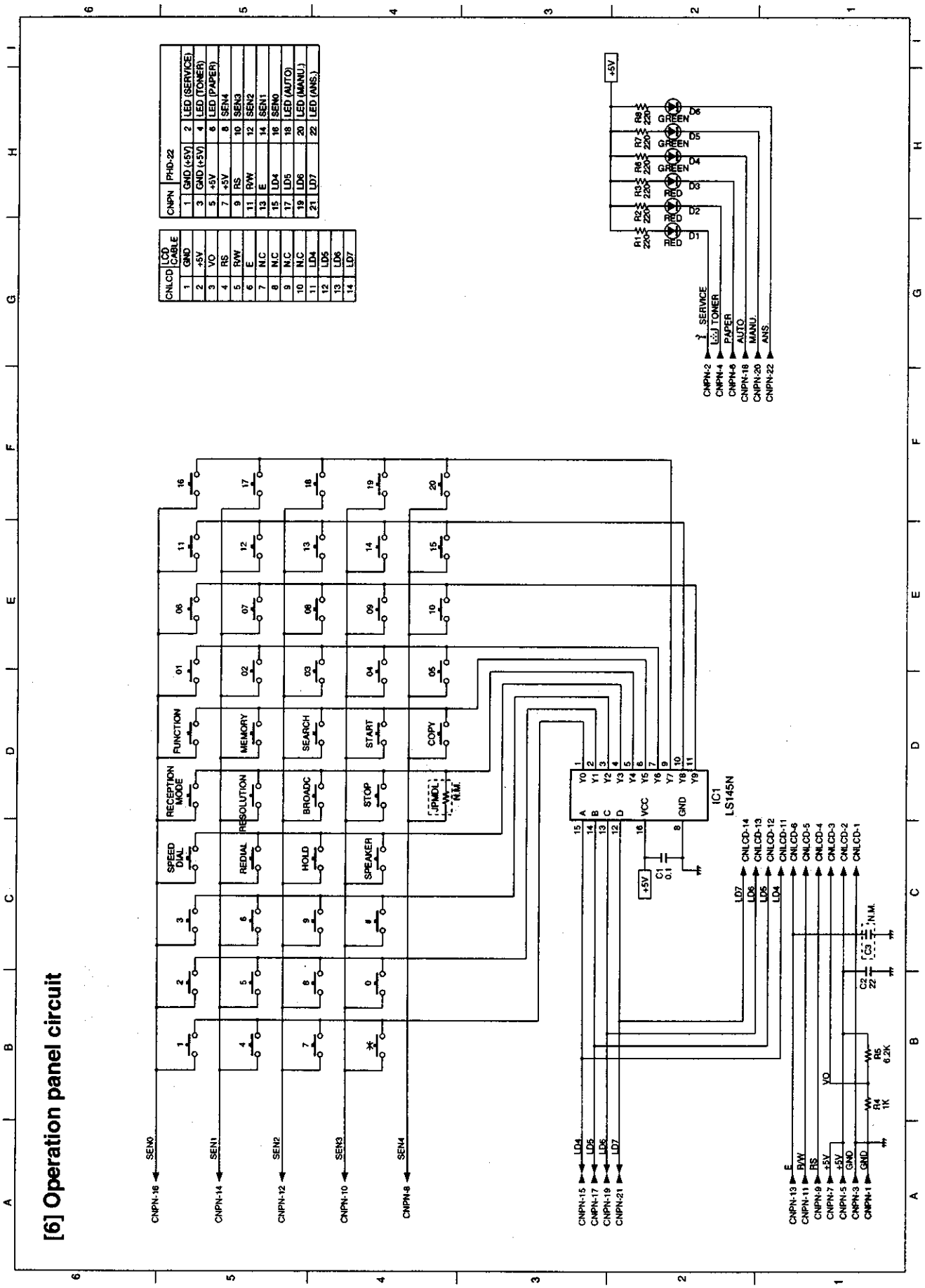

[4] Power supply PWB circuit

Power supply PWB parts layout

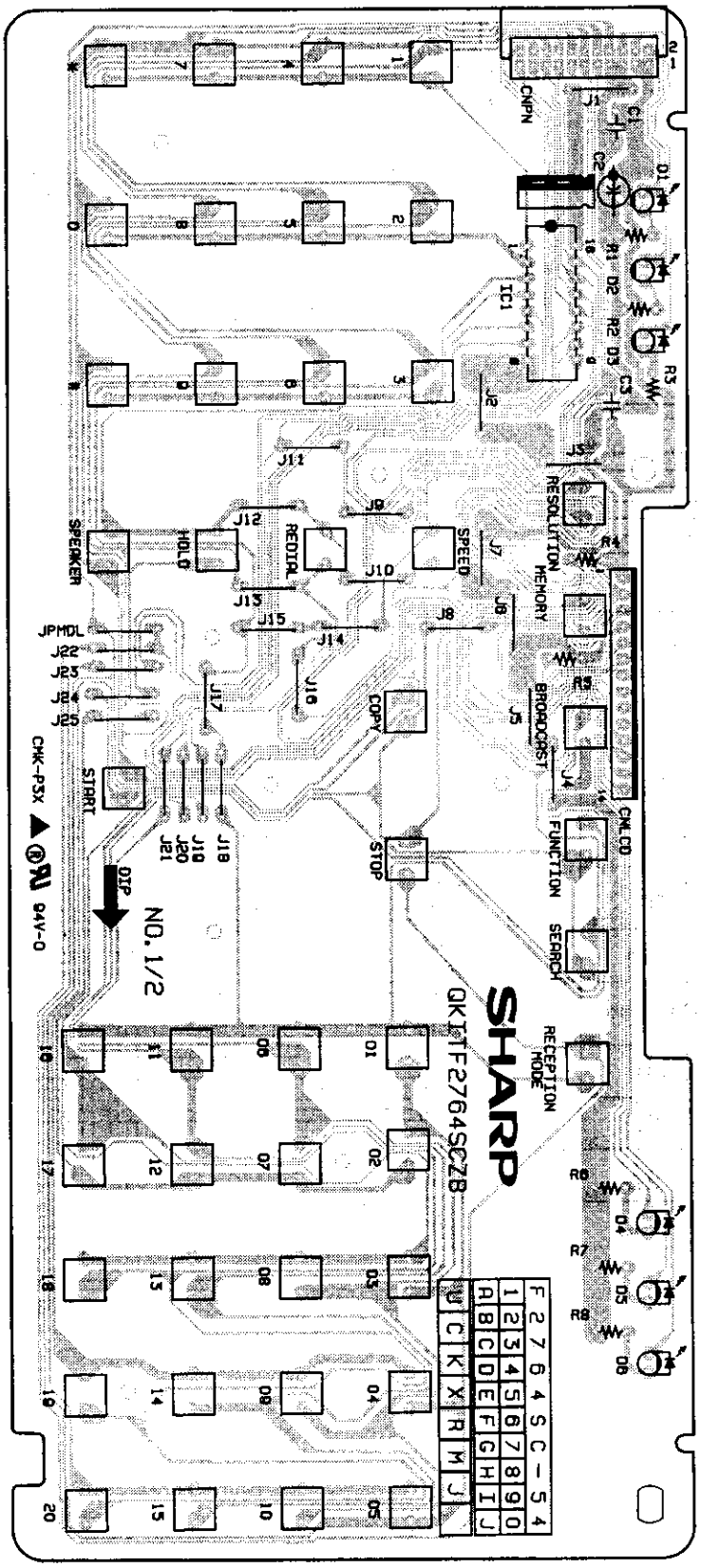


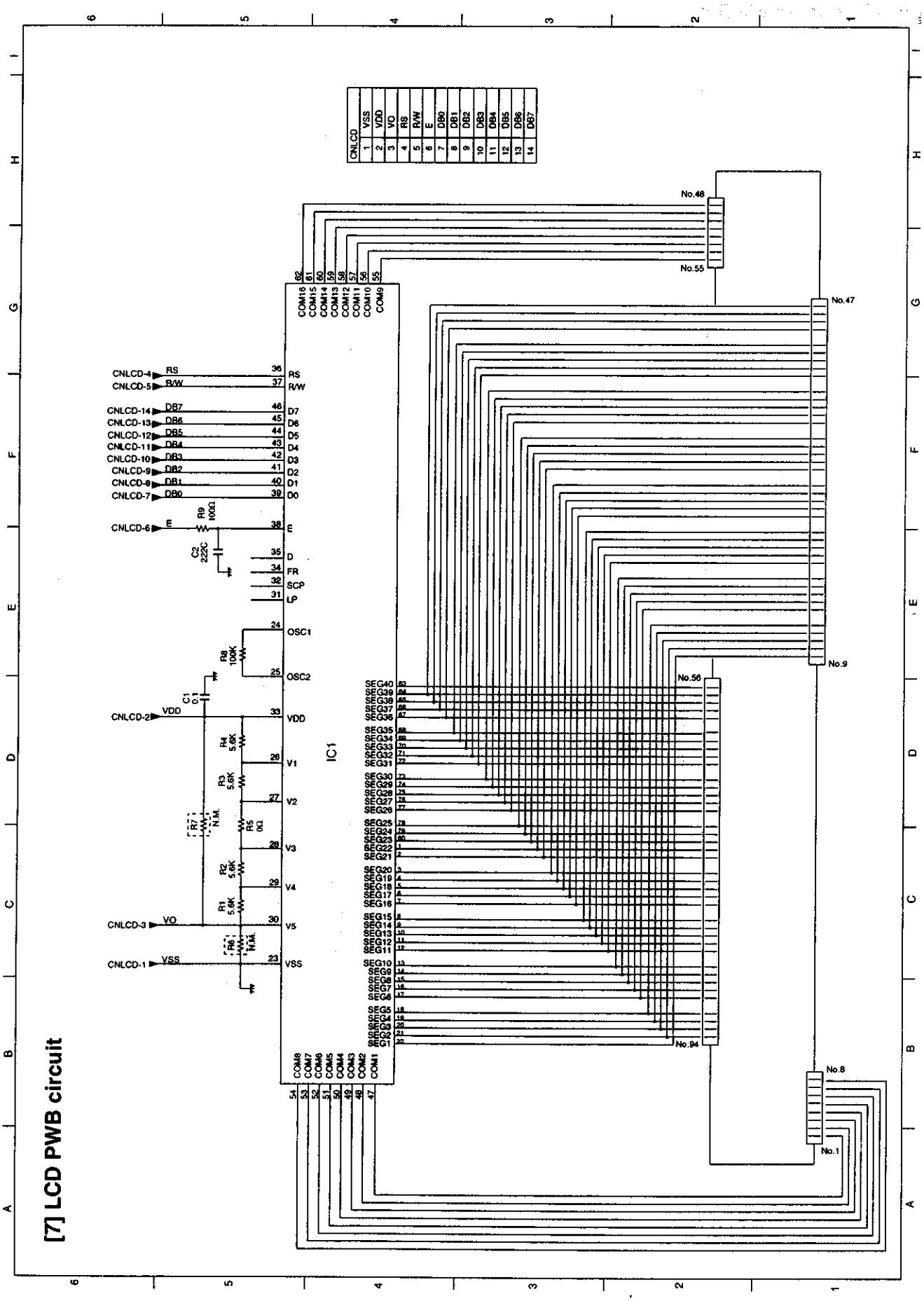

[5] CCD PWB circuit
CN1
1 VO
2 +12V
3 AG
4 ΦT
5 Φ2
6 Φ1
7 ΦR
IC1
TCD1206UP
12 NC
13 NC
14 NC
15 NC
16 NC
17 NC
18 NC
19 Φ2
20 NS
21 SH
22 SS
11 NC
10 NC
9 NC
8 NC
7 NC
6 ΦI
5 NC
4 RS
3 OD
2 DOS NC
1 OS
C2 0.1
Q1 C2412KS
R1 2.2K
C1 22/25
R2 39
Φ1
Φ2
ΦT
ΦR
+12V
VO
AG
CN1-6
CN1-5
CN1-4
CN1-7
CN1-2
CN1-1
CN1-3
CCD PWB parts layout

[6] Operation panel circuit



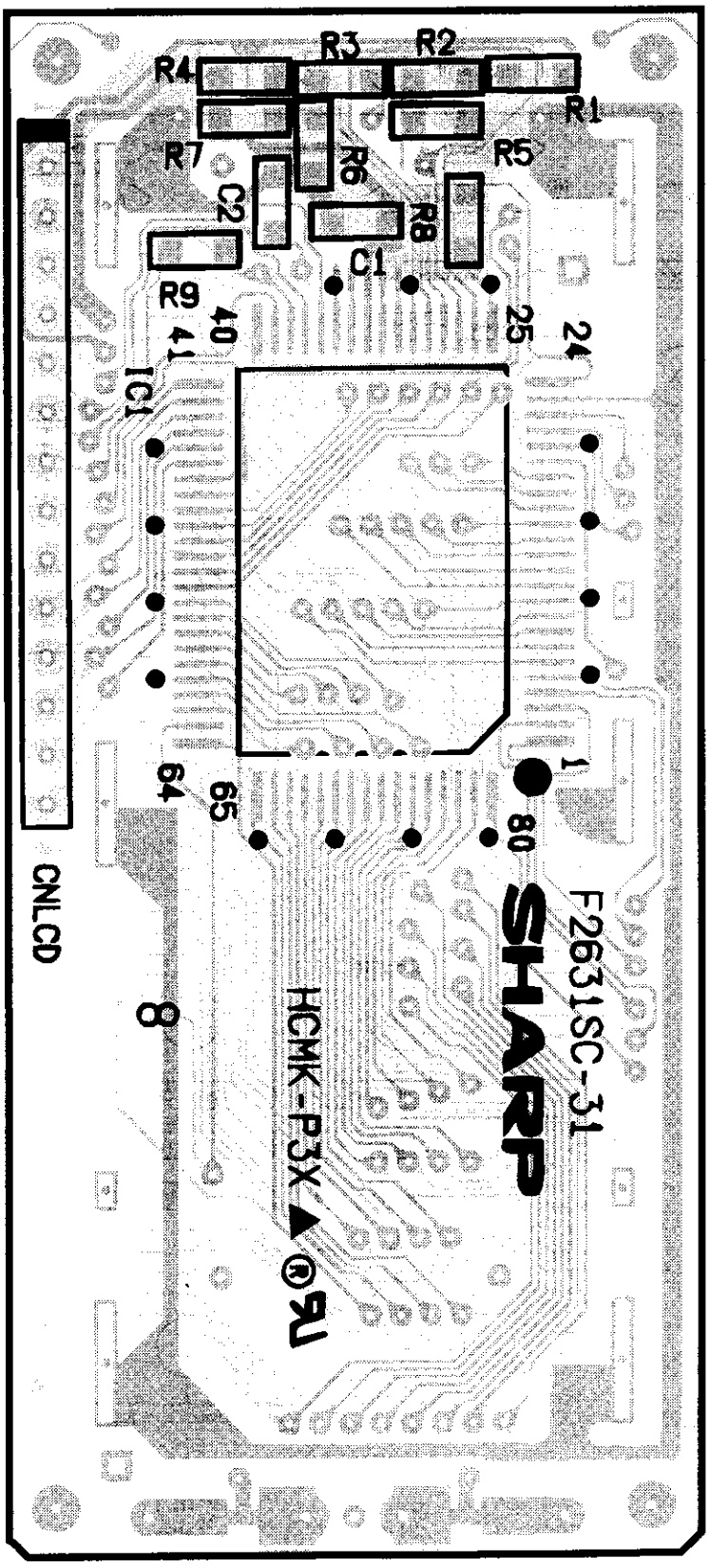
Operation panel PWB parts layout





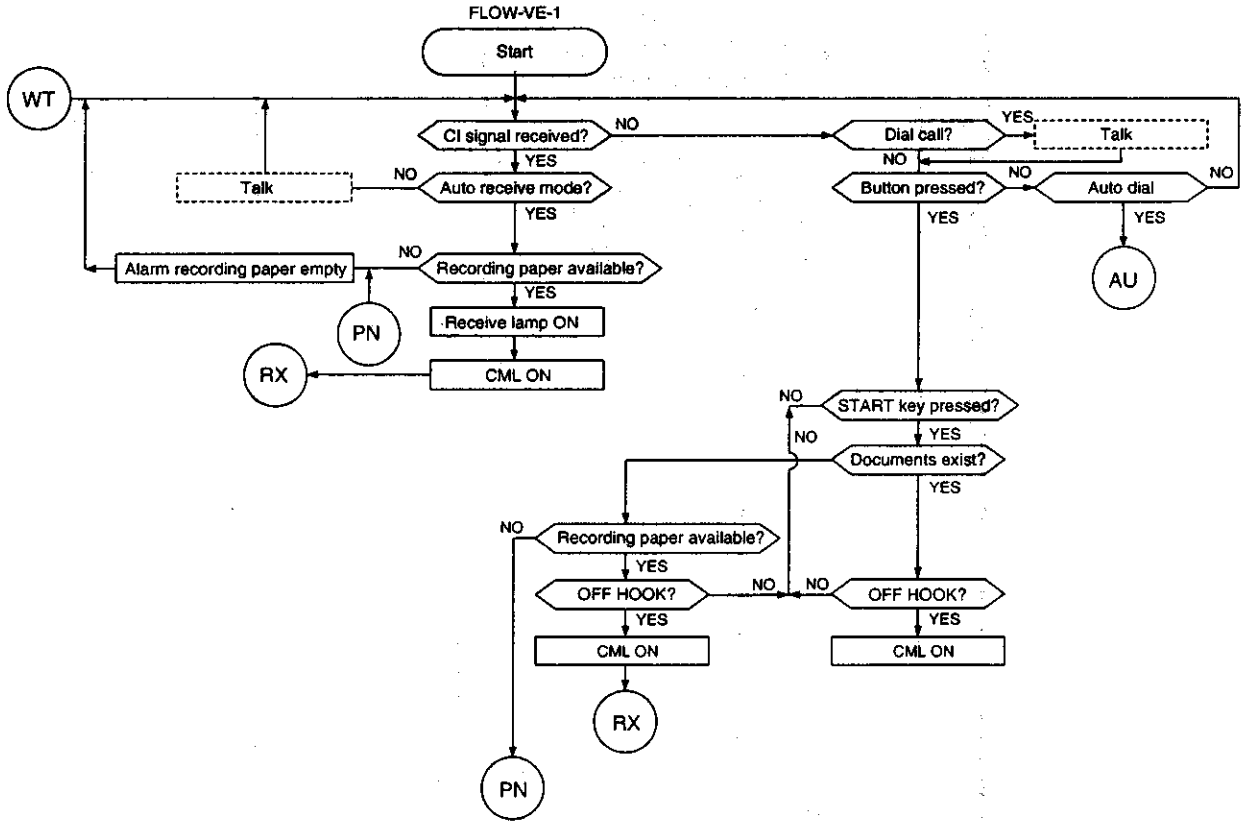
[7] LCD PWB circuit

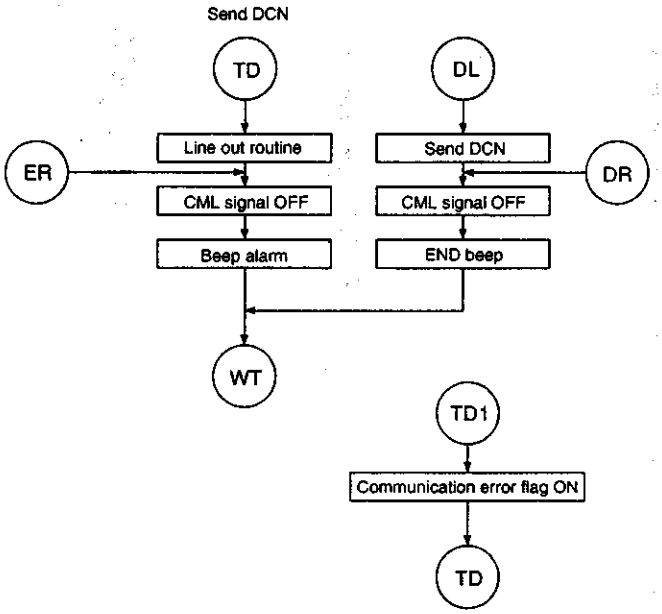
LCD PWB parts layout

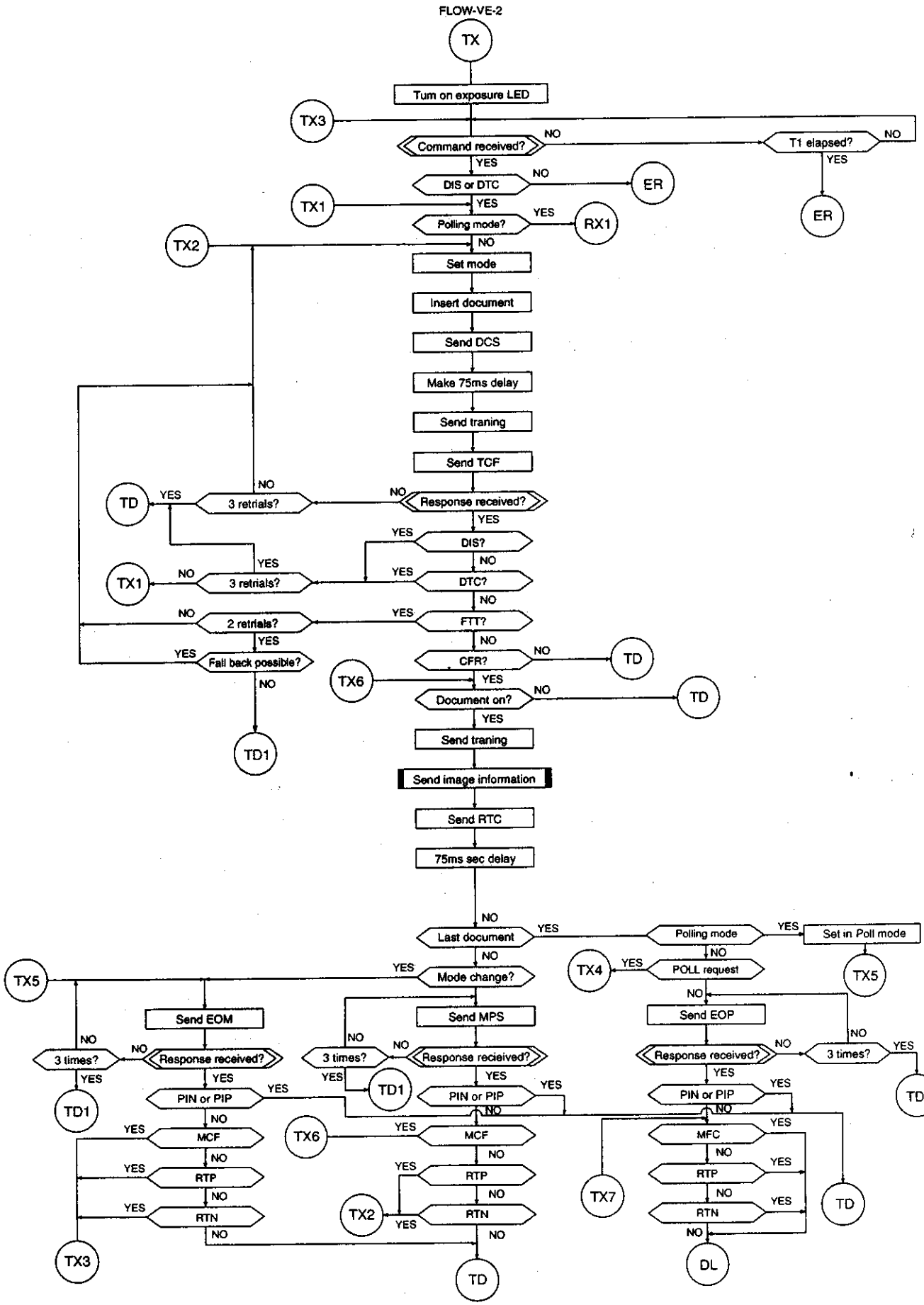


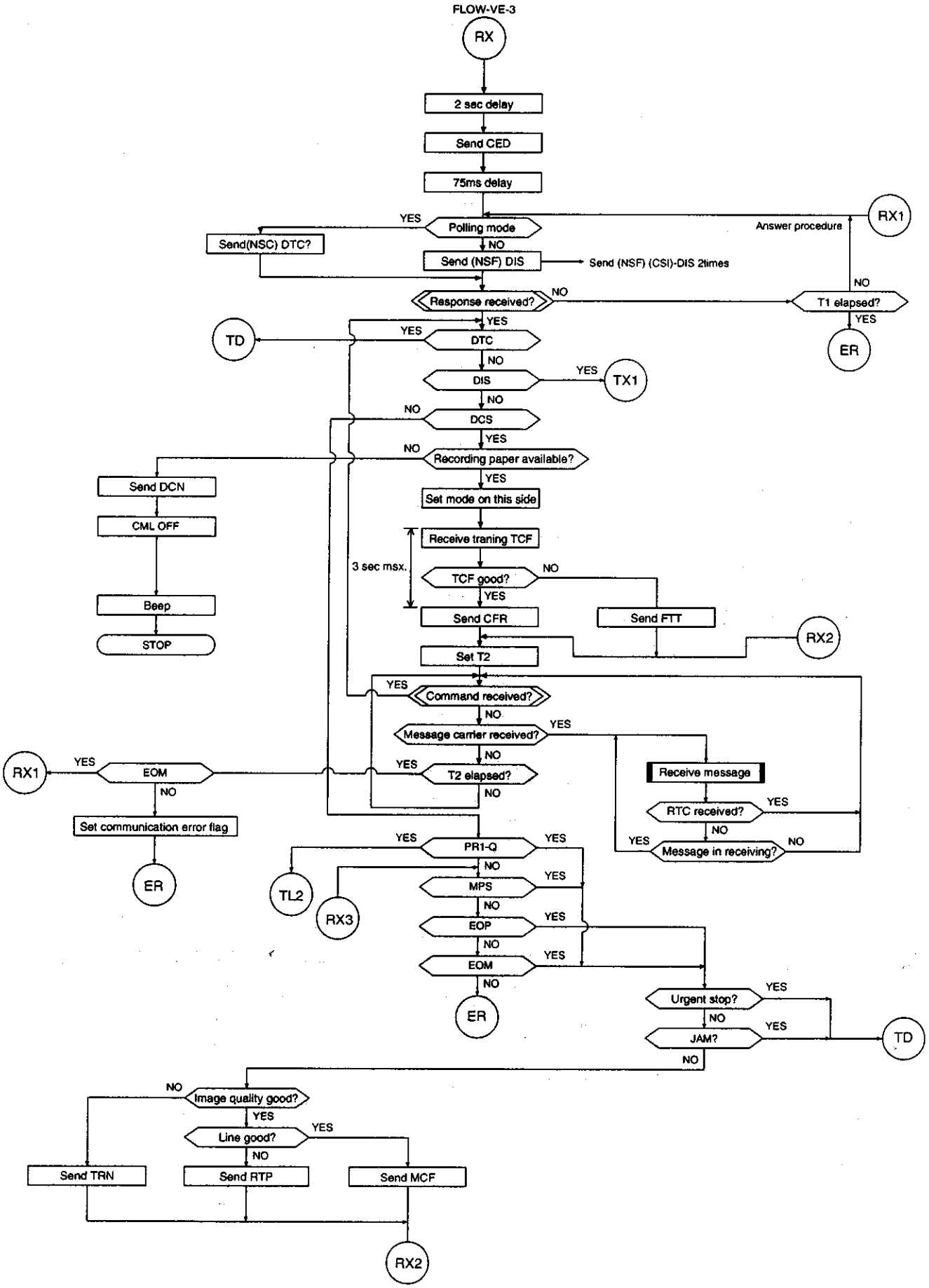
CHAPTER 7. OPERATION FLOWCHART

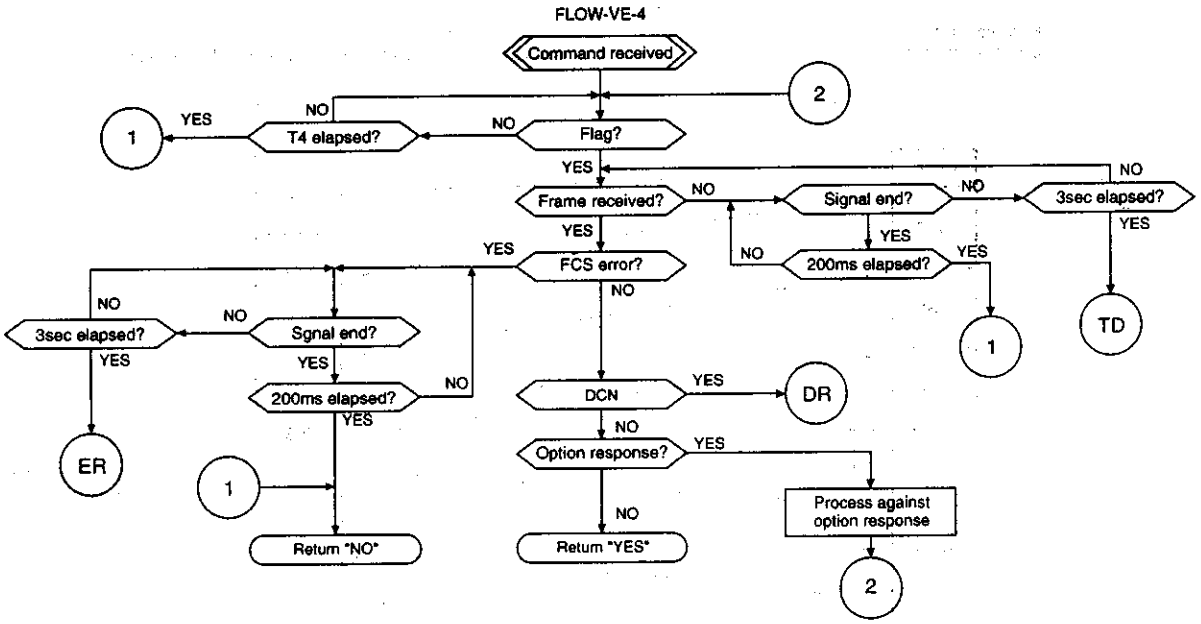
[1] Flow chart

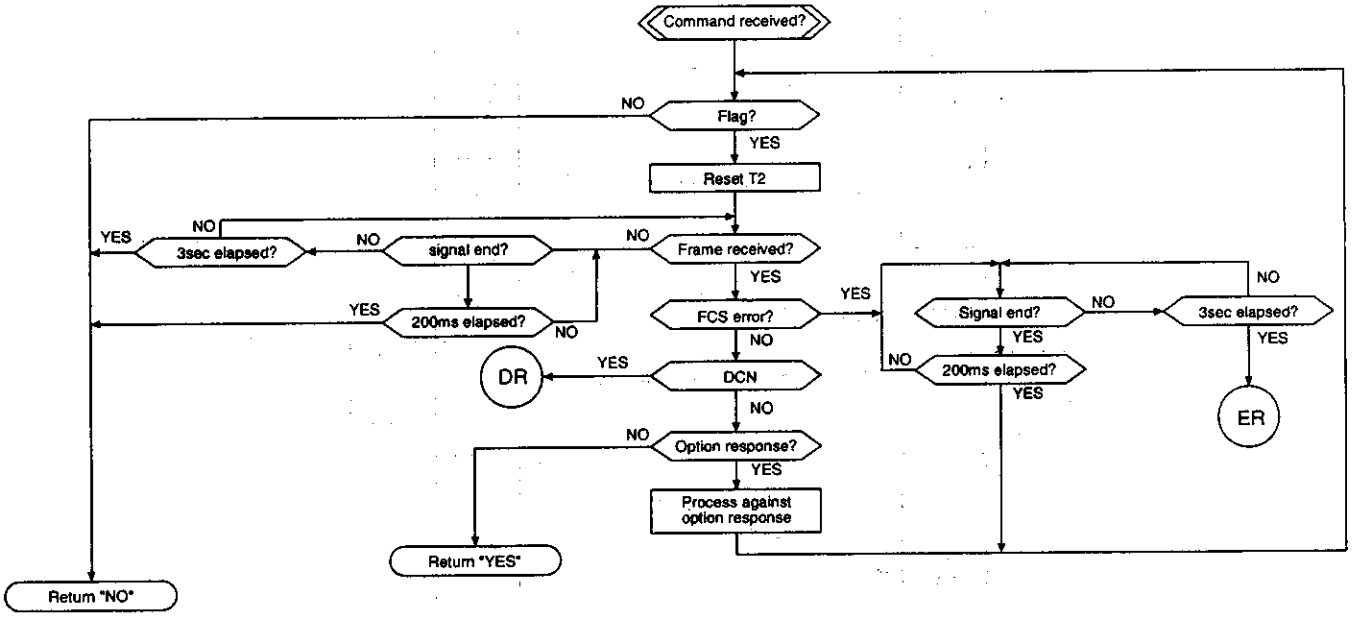




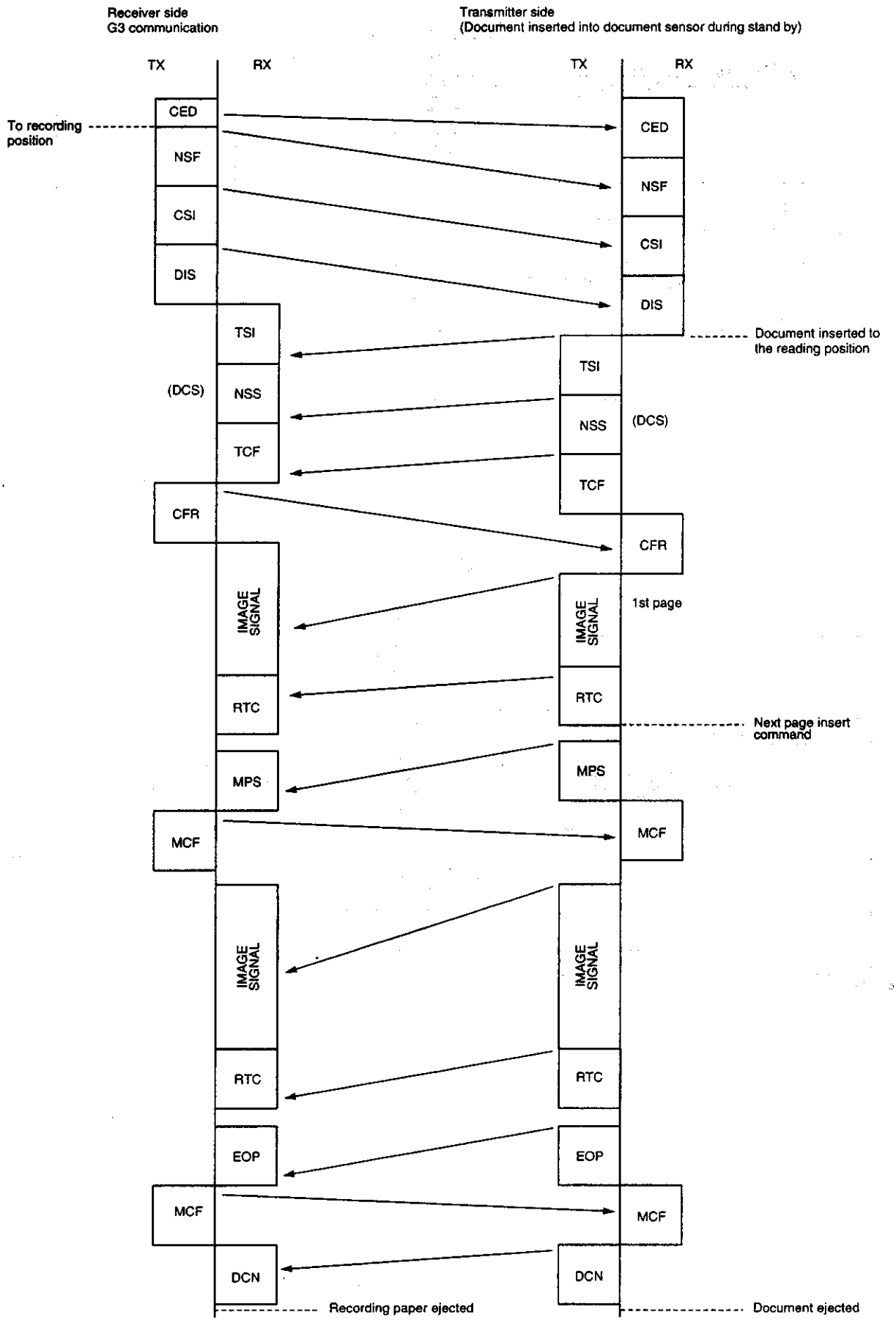

FLOW-VE-2
TX
Turn on exposure LED
TX3
Command received?
NO
T1 elapsed?
NO
YES
YES
DIS or DTC
NO
ER
TX1
YES
Polling mode?
YES
RX1
ER
TX2
NO
Set mode
Insert document
Send DCS
Make 75ms delay
Send traning
Send TCF
TD
YES
3 retrials?
NO
Response received?
YES
YES
DIS?
NO
TX1
NO
3 retrials?
YES
YES
DTC?
NO
NO
2 retrials?
YES
YES
FTT?
NO
YES
Fall back possible?
NO
TX6
CFR?
NO
TD
YES
Document on?
NO
TD
YES
TD1
Send traning
Send image information
Send RTC
75ms sec delay
NO
Last document
YES
Polling mode
YES
Set in Poll mode
NO
TX5
YES
Mode change?
TX4
YES
POLL request
TX5
NO
Send EOM
Send MPS
Send EOP
NO
NO
NO
3 times?
NO
Response received?
3 times?
NO
Response recieived?
Response received?
NO
3 times?
YES
YES
YES
YES
YES
TD1
TD1
TD1
PIN or PIP
YES
PIN or PIP
YES
PIN or PIP
YES
NO
NO
NO
YES
MCF
TX6
YES
MCF
YES
MFC
NO
NO
NO
YES
RTP
YES
RTP
YES
RTP
NO
NO
NO
YES
RTN
TX2
YES
RTN
YES
RTN
TX7
TD
NO
NO
NO
TX3
TD
DL


FLOW-VE-3
RX
2 sec delay
Send CED
75ms delay
YES
Polling mode
NO
Send(NSC) DTC?
Send (NSF) DIS
Send (NSF) (CSI)-DIS 2times
Response received?
NO
T1 elapsed?
YES
ER
Answer procedure
RX1
YES
TD
YES
DTC
NO
DIS
YES
TX1
NO
DCS
YES
NO
Recording paper available?
YES
Send DCN
CML OFF
Beep
STOP
Set mode on this side
Receive traning TCF
3 sec msx.
TCF good?
NO
YES
Send CFR
Send FTT
RX2
Set T2
YES
Command received?
NO
Message carrier received?
YES
NO
RX1
YES
EOM
NO
YES
T2 elapsed?
NO
Receive message
RTC received?
YES
NO
YES
Message in receiving?
NO
Set communication error flag
ER
YES
PR1-Q
YES
NO
TL2
RX3
MPS
YES
NO
EOP
YES
NO
EOM
YES
NO
ER
Urgent stop?
YES
NO
JAM?
YES
TD
NO
Image quality good?
NO
YES
Line good?
YES
NO
Send TRN
Send RTP
Send MCF
RX2

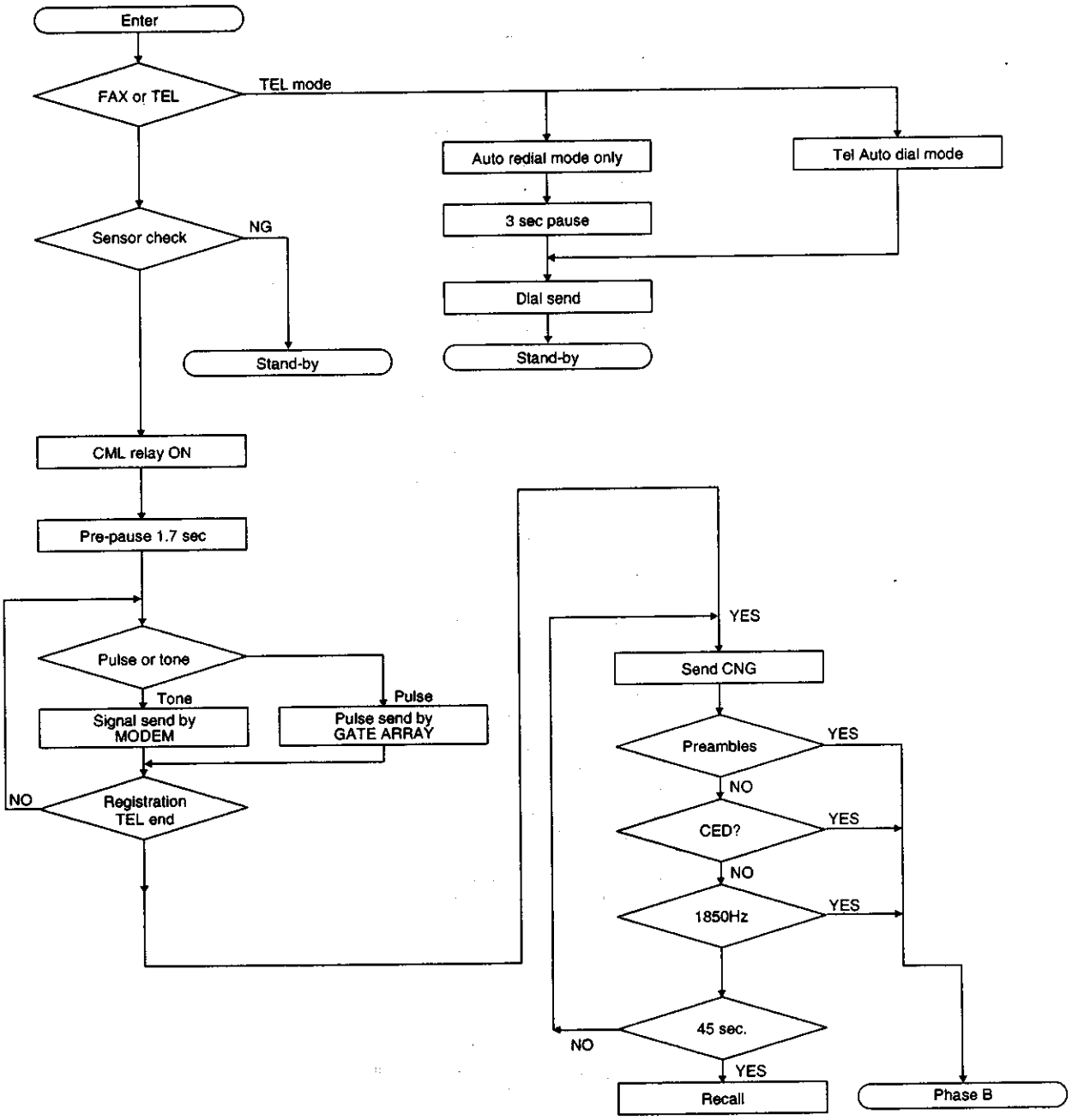

FLOW-VE-4
Command received
2
1
YES
NO
T4 elapsed?
NO
Flag?
YES
Frame received?
NO
Signal end?
NO
3sec elapsed?
YES
YES
YES
FCS error?
NO
200ms elapsed?
YES
1
TD
NO
3sec elapsed?
NO
Signal end?
YES
YES
200ms elapsed?
NO
YES
DCN
YES
DR
NO
Option response?
YES
ER
1
Process against option response
NO
Return "NO"
Return "YES"
2


Command received?
NO
Flag?
YES
Reset T2
YES
NO
3sec elapsed?
NO
signal end?
NO
Frame received?
YES
YES
200ms elapsed?
NO
FCS error?
YES
NO
Signal end?
NO
3sec elapsed?
YES
YES
NO
200ms elapsed?
YES
DR
YES
DCN
NO
ER
NO
Option response?
YES
Process against option response
Return "YES"
Return "NO"

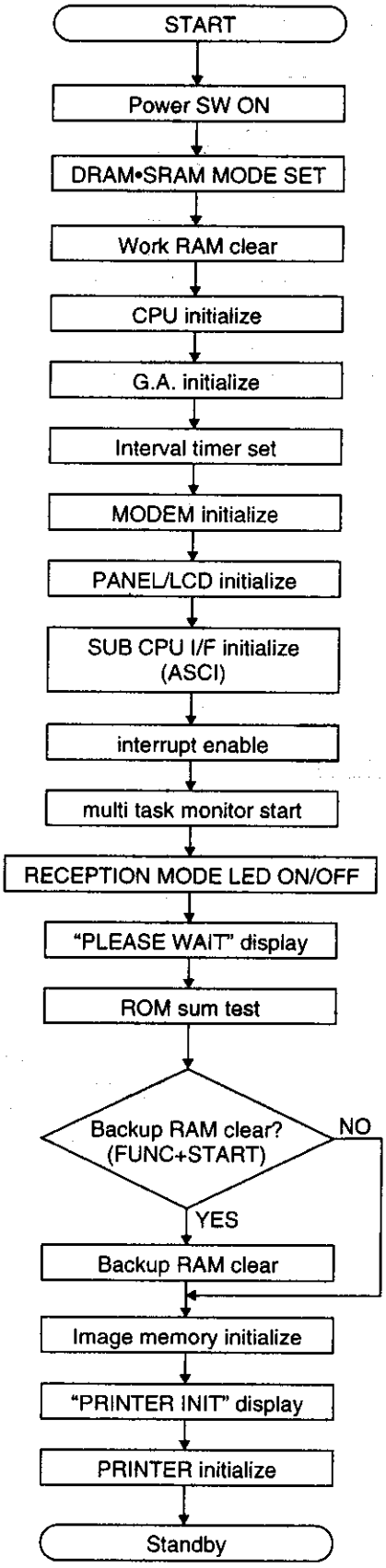
FLOW-VE-11


Receiver side
G3 communication
Transmitter side
(Document inserted into document sensor during stand by)
TX
RX
TX
RX
To recording position
CED
NSF
CSI
DIS
CED
NSF
CSI
DIS
Document inserted to the reading position
TSI
(DCS)
NSS
TCF
TSI
NSS
(DCS)
TCF
CFR
CFR
IMAGE SIGNAL
RTC
1st page
IMAGE SIGNAL
RTC
Next page insert command
MPS
MPS
MCF
MCF
IMAGE SIGNAL
RTC
EOP
IMAGE SIGNAL
RTC
EOP
MCF
MCF
DCN
DCN
Recording paper ejected
Document ejected

Auto dial sending



[2] Power on sequence



CHAPTER 8. OTHERS

[1] Service Tools

1. List

NO.	PARTS CODE	DESCRIPTION	QTY	PRICE RANK
1	CPWBS2783SC32	Extension board unit (EXT1A) and (EXT1B/1C)	1	CB
2	CPWBS2785SC01	Extension board unit (EXT2A/2B)	1	CD
3	UKOGM2028SCZZ	Optical adjustment jig	1	BE

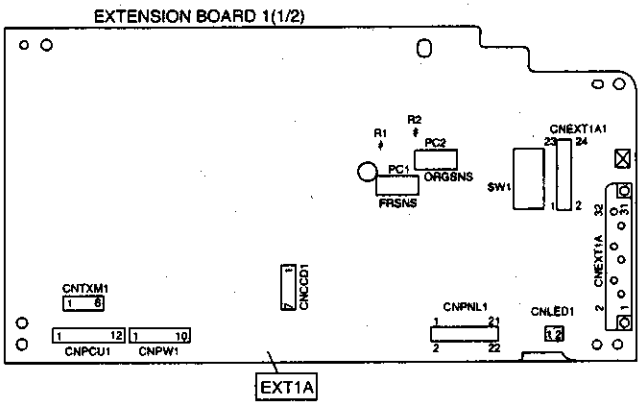
2. Description

2-1. Extension board unit

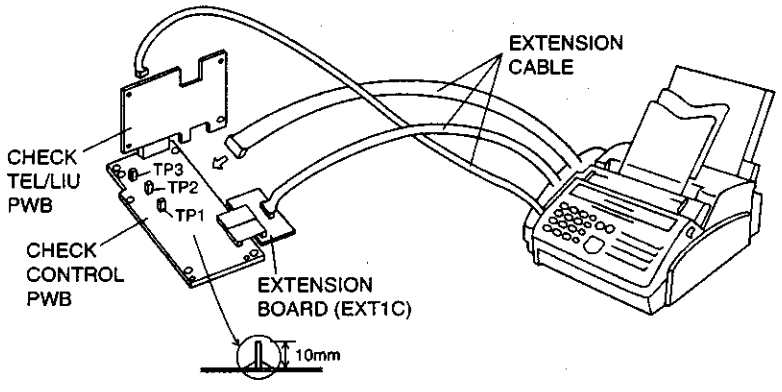
[Connecting the extension board 1].....For inspection of control PWB and TEL/LIU PWB

1) Remove the handset cover from the main unit, and remove the TEL/LIU PWB.
2) Remove the bottom plate unit from the main unit, and remove the control PWB unit.
3) Mount the extension board 1A (EXT1A) on the bottom plate unit from which the control PWB has been removed, connect it to the PCU, using the connectors (CNPCU1 and CNPW1), connect the cables of main body to the connectors (CNTXM1, CNCCD1, CNPNL1, and CNLED1) in the same way as the control PWB, and mount the bottom plate unit on the main unit. At this time, the extension cable (QCNW-4472SXZZ) must be led out from the place where the handset cover of main unit was removed.
4) Connect the extension cable of mounted bottom plate unit to the connector CNEXT1A2 of extension board 1B (EXT1B), and connect it to the extension board 1A unit, using the connector CNEXT1A. Continuing, connect the cable of speaker to the connector CNSP1.
5) Connect the connectors CNPW2 and CNPCU2 of extension board 1C (EXT1C) to the connectors CNPW and CNPCU of control PWB.
6) Connect the control PWB and TEL/LIU PWB, using the extension cable led out from the side of main unit on which the extension board has been mounted as shown in the figure 1.
7) Connect the hook switch cable of handset cover to the CNHB of TEL/LIU PWB.

Cable parts code			Connector	Remark
QCNW – 4197SCZZ			CNCCD	Control PWB
QCNW – 4198SCZZ			CNTXM	
QCNW – 4443SCZZ			CNPNL	
QCNW – 4444SCZZ			CNLED	
QCNW – 4446SCZZ	Cable color	Black	ORGSNS(TP2)	
		Brown	FRSNS(TP1)	
		Red	DRSNS(TP3)	
QCNW – 4445SCZZ			CNSP	TEL/LIU PWB



Extension board connection diagram

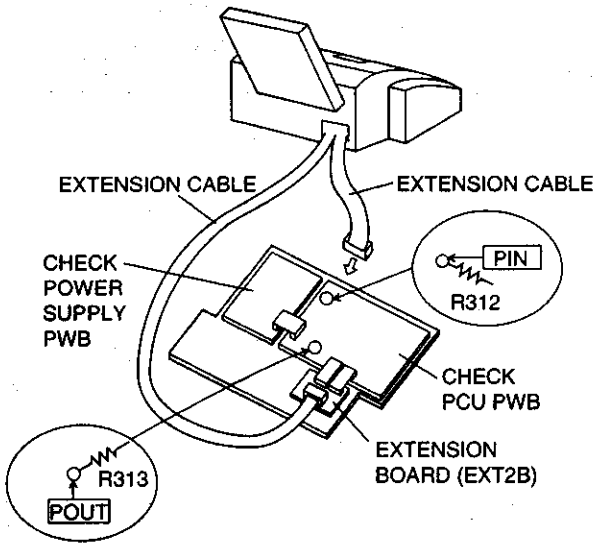


[Connecting the extension board 2].....For inspection of PCU and power supply

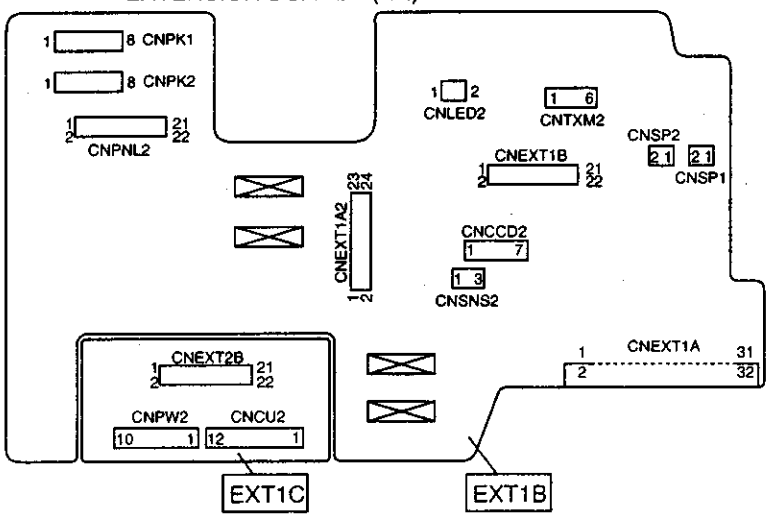
1) Remove the bottom plate unit from the main unit.
2) Remove the control PWB from the removed bottom plate unit, mount it on the bottom plate of extension board 2A (EXT2A), and connect the cable of main unit to the extension board 2A (EXT2A) in the same way as the control PWB, PCU PWB, and power supply.
3) Lead out the cable of extension board 2A (EXT2A) from the hole for the AC cord and power switch on the bottom plate, and mount the bottom plate to which the extension board 2A (EXT2A) has been fixed on the main unit.
4) Connect the PCU PWB and power supply, using the extension cable let out from the rear side of main unit on which the extension board 2A (EXT2A) has been mounted as shown in the figure 2.
5) Connect the connectors CNPCU and CNPW of extension board 2B (EXT2B) to the connectors CN305A and CN305B of PCU PWB.

Cable parts code	Connector	Remark
QCNW-4449SCZZ	CN303	PCU PWB
QCNW-4451SCZZ	CN304	
QCNW-4452SCZZ	CN307	
QCNW-4453SCZZ	CN302	
QCNW-4454SCZZ	TC terminal	
QCNW-4455SCZZ	MC terminal	
QCNW-4456SCZZ	FG terminal	
QCNW-4457SCZZ	Drum earth terminal	
QCNW-4458SCZZ	DC bias terminal	
QCNW-4473SCZZ	R312 (PIN)	
	R313 (POUT)	
QCNW-4474SCZZ	CN4	Power Supply PWB
QCNW-4475SCZZ	CN5	

Extension board connection diagram



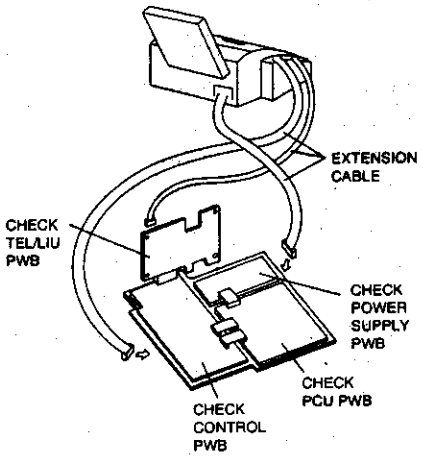
EXTENSION BOARD 1(2/2)

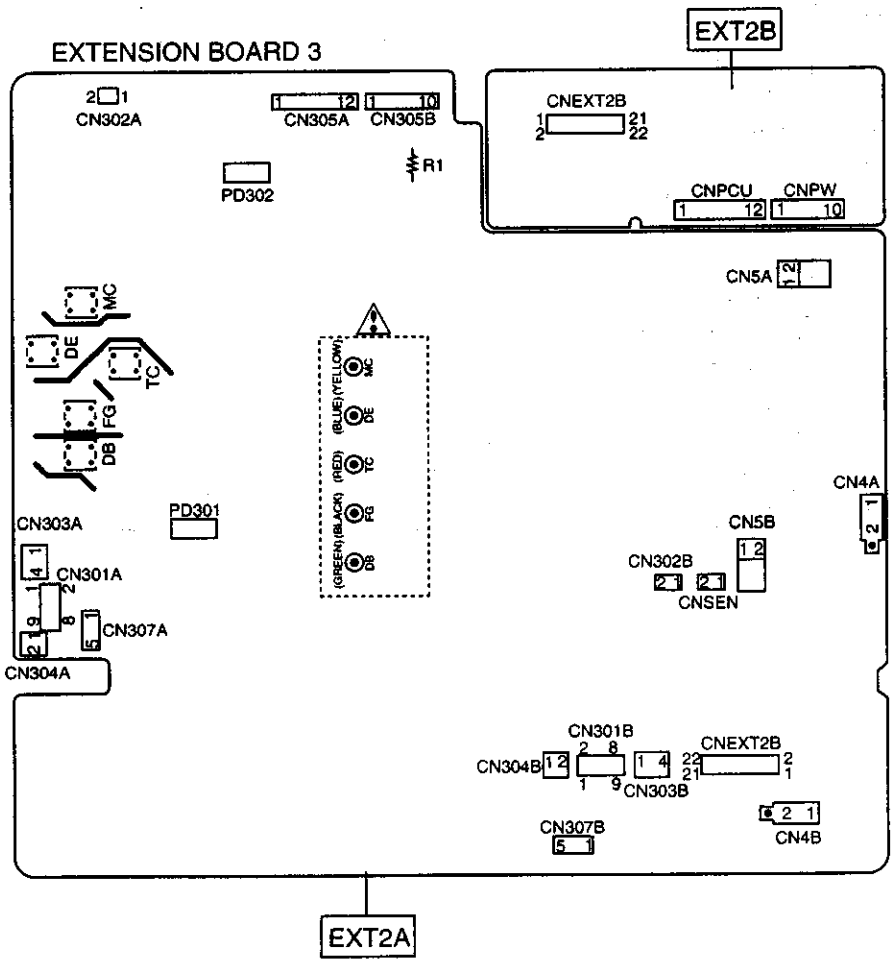


[Connecting the extension board 1 and extension board 2 at the same time]

1) Remove the handset cradle from the main unit, and remove the TEL/LIU PWB.
2) Remove the bottom plate unit from the main unit.
3) Mount the extension board 1A (EXT1A) on the bottom plate of extension board 2A (EXT2A), and connect the connectors CN305A and CN305B of extension board 2A (EXT2A) to the connectors CNPCU and CNPW of extension board 1A.
4) Connect the cables of main unit to the extension board 1A (EXT1A) and extension board 2A (EXT2A), and mount them on the main unit so that extension cable is led out from it.
5) Connect the extension cable of extension board 1A (EXT1A) to the connector CNEXT1A2 of extension 1B (CPWBS2784SC51), and connect it to the extension board 1A (EXT1A), using the connector CNEXT1A. Continuing, connect the cable of speaker to the connector CNSP1.
6) Connect the extension cables led out from the side and rear side of main body to the control PWB, PCU PWB, power supply, and TEL/LIU PWB (For the connecting method, refer to "Connecting the extension 1 and 2"). The extension board 1C (EXT1C) and extersion board 2B (EXT2B) are not used.
7) Connect the hook switch cable of handset cradle to the CNHB of TEL/LIU PWB.

Extension board connection diagram





NO.	PARTS CODE	DESCRIPTION	Q'TY	PRICE RANK
1	QCNCM2401SC0B	CONNECTOR 2pin (CNLED1, 2)	2	AA
2	QCNCM2456SC3B	CONNECTOR 32pin (CNEXT1)	1	AH
3	QCNCM2482SC2B	CONNECTOR 22pin (CNPNL1, 2)	2	AE
4	QCNCM2482SC2D	CONNECTOR 24pin (CNEXT1A1, 2)	2	AB
5	QCNCM7014SC0F	CONNECTOR 6pin (CNTXM1, 2, CNSNS2)	3	AB
6	QCNCM7014SC0G	CONNECTOR 7pin (CNCCD1, 2)	2	AB
7	QCNCW690KAFZZ	CONNECTOR 10pin (CNPW1, CNPW)	2	AD
8	QCNCW690MAFZZ	CONNECTOR 12pin (CNPCU1, CNPCU)	2	AD
9	QCNCM2389SC2B	CONNECTOR 22pin (CNEXT1B, 2B x 3)	4	AE
10	QCNCM7014SC0B	CONNECTOR 2pin (CNSP1, 2, CN302A, B)	4	AD
11	QCNCW2436SC3B	CONNECTOR 32pin (CNEXT1A)	1	AH
12	QCNCM894KAFZZ	CONNECTOR 10pin (CNPW2, CN305B)	2	AF
13	QCNCM894MAFZZ	CONNECTOR 12pin (CNPCU2, CN305A)	2	AG
14	QCNCW0053GCZZ	CONNECTOR 9pin (CN301A, B)	2	AD
15	QCNCM704DAFZZ	CONNECTOR 4pin (CN303A, B)	2	AB
16	QCNCM704BAFZZ	CONNECTOR 2pin (CN304A, B)	2	AB
17	QCNCM7014SC0E	CONNECTOR 5pin (CN307A, B)	2	AB
18	QCNCW2506SC0B	CONNECTOR 2pin (CN4A, B)	2	AE
19	QCNCW2507SC0B	CONNECTOR 2pin (CN5A, B)	2	AD
20	QCNCM2401SC0B	CONNECTOR 2pin (CNSEN)	1	AA
21	QCNW-4197SCZZ	CABLE (CNCCD)	1	AK
22	QCNW-4198SCZZ	CABLE (CNTXM)	1	AH
23	QCNW-4444SCZZ	CABLE (CNLED)	1	AE
24	QCNW-4443SCZZ	CABLE (CNPNL)	1	AS
25	QCNW-4445SCZZ	CABLE (CNSP)	1	AE
26	QCNW-4446SCZZ	CABLE (CNSNS)	1	AM
27	QCNW-4472SCZZ	CABLE (CNEXT)	1	AS
28	QCNW-4454SCZZ	CABLE (TC)(RED)	1	AG
29	QCNW-4454SCZZ	CABLE (MC)(YELLOW)	1	AG
30	QCNW-4454SCZZ	CABLE (FG)(BLACK)	1	AG
31	QCNW-4454SCZZ	CABLE (DE)(BLUE)	1	AG
32	QCNW-4454SCZZ	CABLE (DB)(GREEN)	1	AG
33	QTANN2046SCZZ	TERMINAL (TC, MC, FG, DE, DB)	5	AC
34	QSWHXW5000/ / /	DOOR SWITCH (SW1)	1	AE
35	VHPGP1S53V / -1	PHOTO INTERRUPTER (PD301,302)	2	AE
36	VHPRPi-574 / / /	PHOTO INTERRUPTER (PC1, 2)	2	AF
37	VRD-HT2HY910J	RESISTER (1/2W, 91 Ω, ± 5%)(R1) [EXT2A]	1	AA
38	VRD-RC2EY221J	RESISTOR (1/4W, 220 Ω, ± 5%)(R1, 2)[EXT1A]	2	AA
39	QCNCM7014SC0H	CONNECTOR 8pin (CNPK1, CNPK2)	2	AB

2-2. Scan optical system adjustment

(1) Outline

The adjustment procedures for the scan optical system are described below:

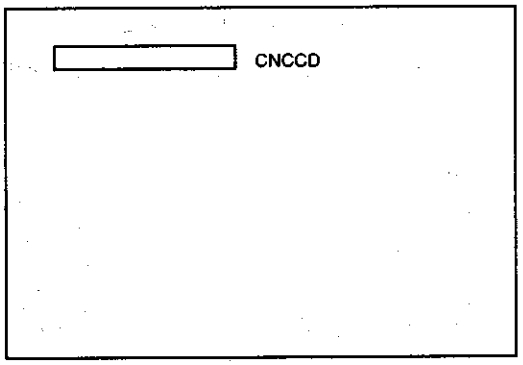
(2) Adjustment procedures

① Switch off the machine and disconnect the AC power cable from the wall socket.

② Fully open the upper cabinet, remove the fixing screws of the recording paper tray and remove the recording paper tray. In order to perform a focus adjustment, remove the optical system unit from the frame.

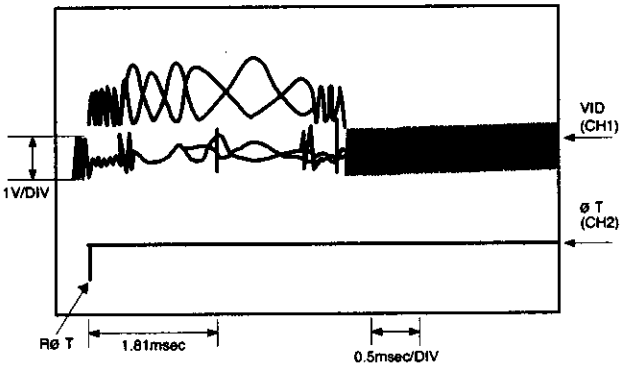
③ Disconnect the main pwb from the LIU/TEL pwb.

④ Connect your oscilloscope channel 1 to the VID signal (Refer Pin 1 of Connector CNCCD on the main pwb) and channel 2 of your oscilloscope to ϕTD signal (Refer Pin 4 of connector CNCCD on the main pwb). Connect the earth clips of either probe to AG ground as shown. Set the trigger to channel 2.



VID CNCCD-1
ΦT CNCCD-4
VG CNCCD-3

CCD wave form



⑤ Re-connect the main pwb to the LIU/TEL pwb and connect these circuit boards to the connectors on the chassis.

⑥ Re-assemble up to and including the recording paper tray to the main chassis and close upper cabinet.

⑦ Plug the AC power cable into the wall outlet and turn the fax machine on.

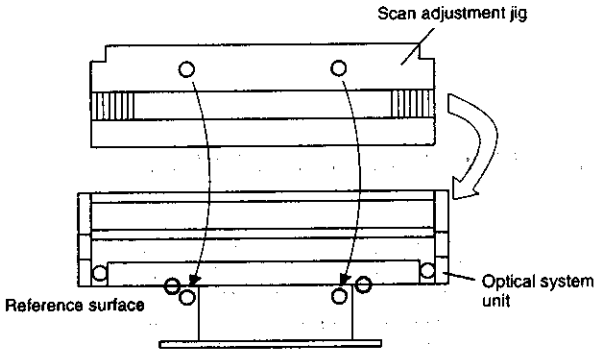
⑧ Insert a test chart in the document hopper and execute the CCD Adjust Mode diagnostic. Press the START key to enable local copy until approximately one fifth of the page has been copied, then press the STOP key to enable the CPU wait state.

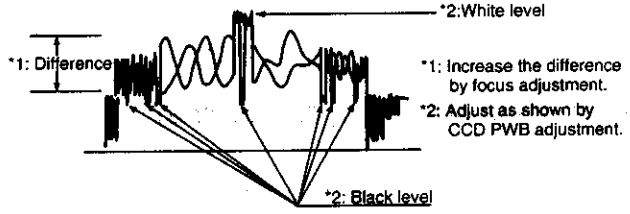
⑨ Fully open the upper cabinet and remove the recording paper tray.

⑩ Install the scan adjustment jig to the optical system unit, so that the pattern surface is on the lower side.

⑪ Fit the pins of the scan adjustment jig to the holes of the optical system frame.

⑫ Lightly loosen the red screws of the CCD pwb and obtain the VID signal waveform in synchronization with ϕTD signal waveform. Adjust the CCD pwb positioning to obtain the waveform as shown below.




*2:White level
*1: Difference
*1: Increase the difference by focus adjustment.
*2: Adjust as shown by CCD PWB adjustment.
*2: Black level

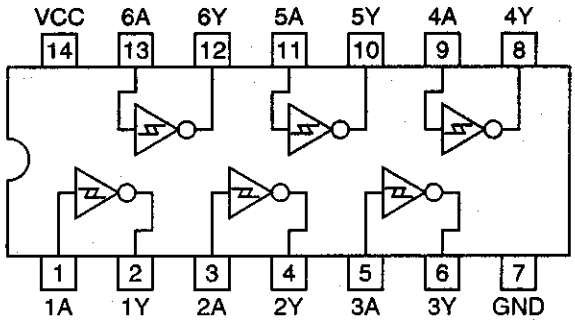
[CCD waveform model]

⑬ After completing the CCD adjustment, tighten the two red screws on the CCD pwb and apply screw looking material to prevent the CCD pwb from moving.

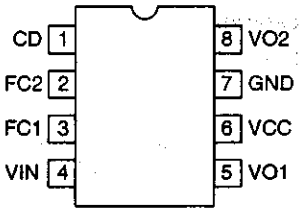
⑭ Assemble the recording paper tray and fixing screws.

[2] IC signal name

IC106: VHi74HCU04F-1 (Control PWB)



IC104: VHiNJM2113M-1 (TEL/LIU PWB)

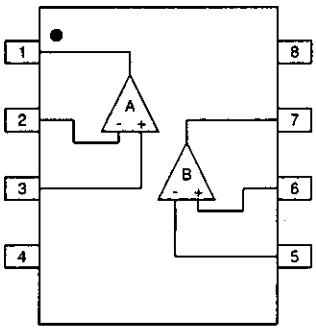


IC103: VHiNJM4558F-1 (Control PWB)

IC104: VHiNJM2904M-1 (Control PWB)

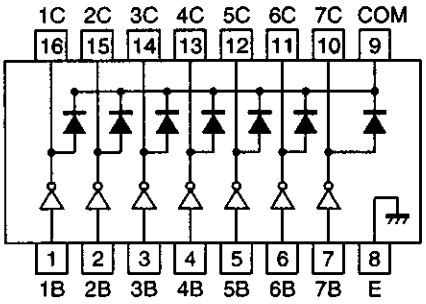
IC105: VHiNJM2903M-1 (Control PWB)

IC103, 105, 106: VHiNJM4558M-1 (TEL/LIU PWB)

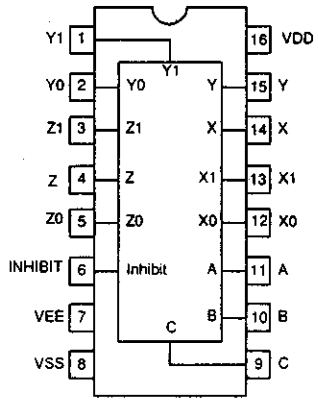


1. A OUTPUT
2. A-INPUT
3. A+INPUT
4. V-
5. B+INPUT
6. B-OUTPUT
7. B OUTPUT
8. V+

IC3: VHiULN2003ANS (Control/PCU PWB)



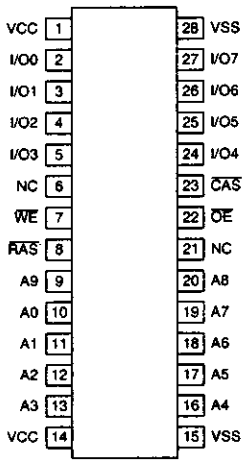
IC101: VHiBU4053BCF1 (TEL/LIU PWB)



(TOP VIEW)

IC19, 20: VHiHM514800J8 (Control PWB)

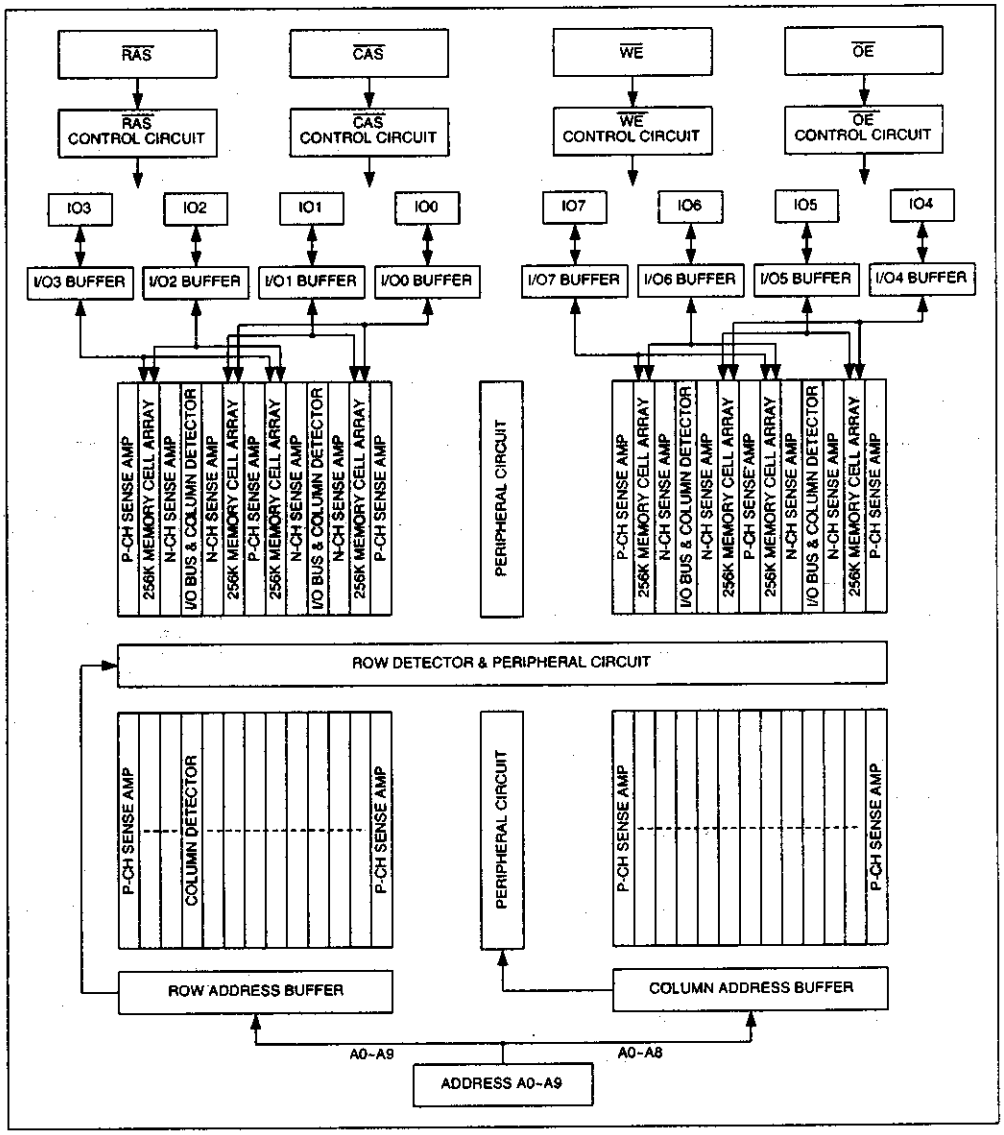
VHiHM514800J8



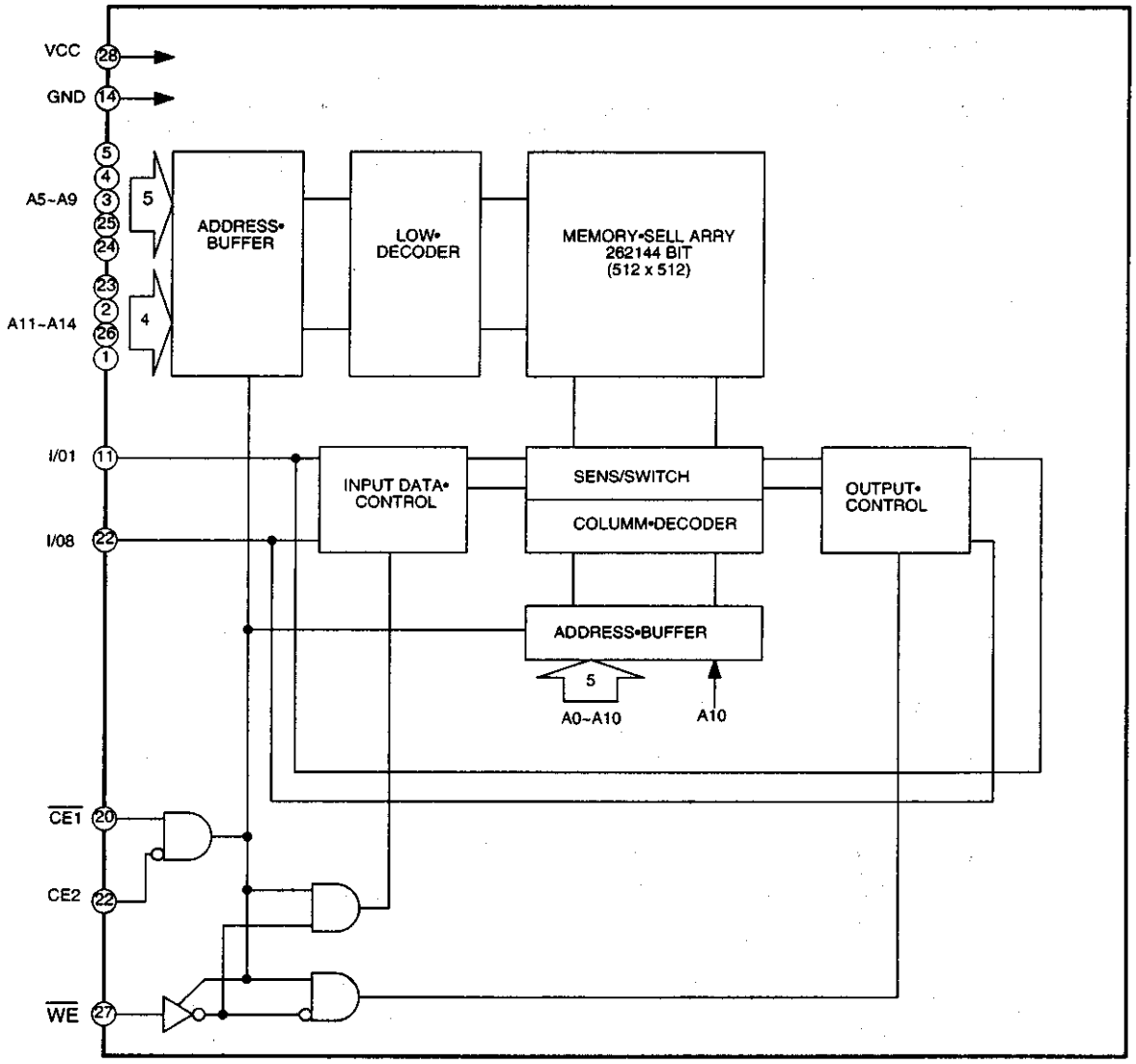
PIN DESCRIPTION	
PIN	PIN NAME
A0~A9	ADDRESS INPUT (LOW/REFRESH A0~A3 COLUMN A0~A3)
I/O0~I/O7	DATA I/O
RAS	LOW ADDRESS STROBE

PIN	PIN NAME
CAS	COLUMN ADDRESS STROBE
WE	READ/WRITE INPUT
OE	OUTPUT ENABLE
VCC	POWER (+5V)
VSS	CONNECTION

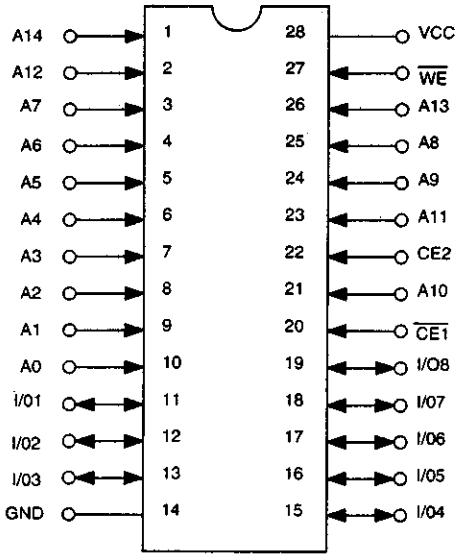
BLOCK DIAGRAM



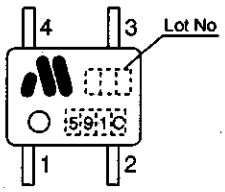
IC8: VHiM5255CF70L (Control PWB)

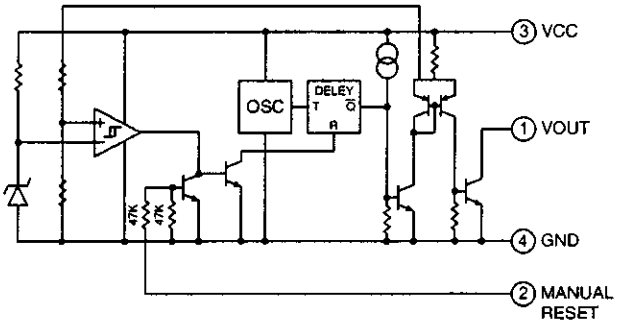


(TOP VIEW)

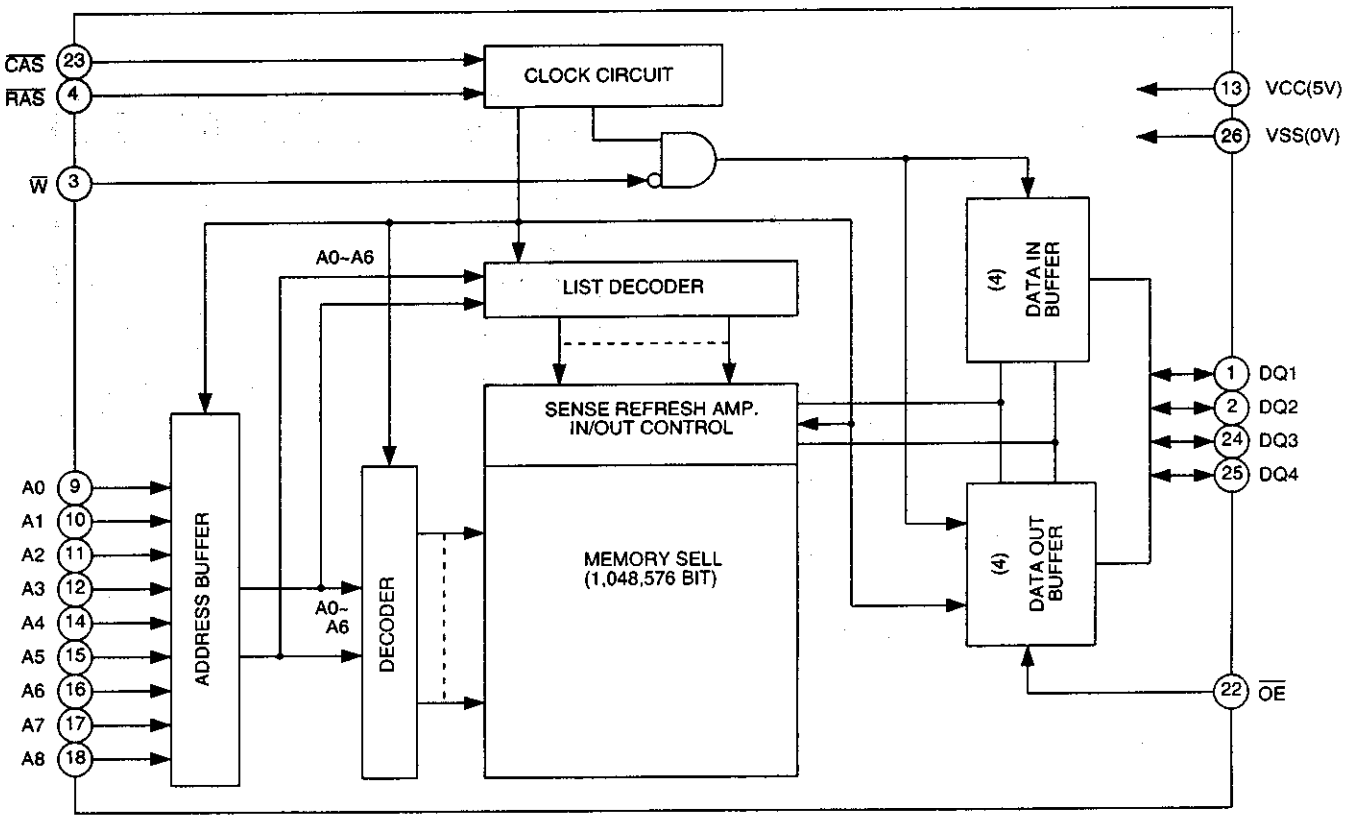


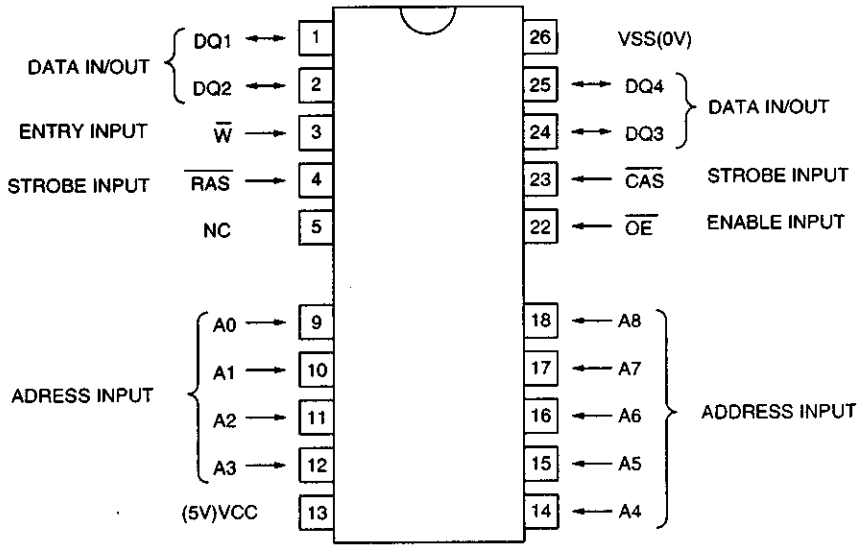
IC102: VHiPST591CMT1 (Control PWB)



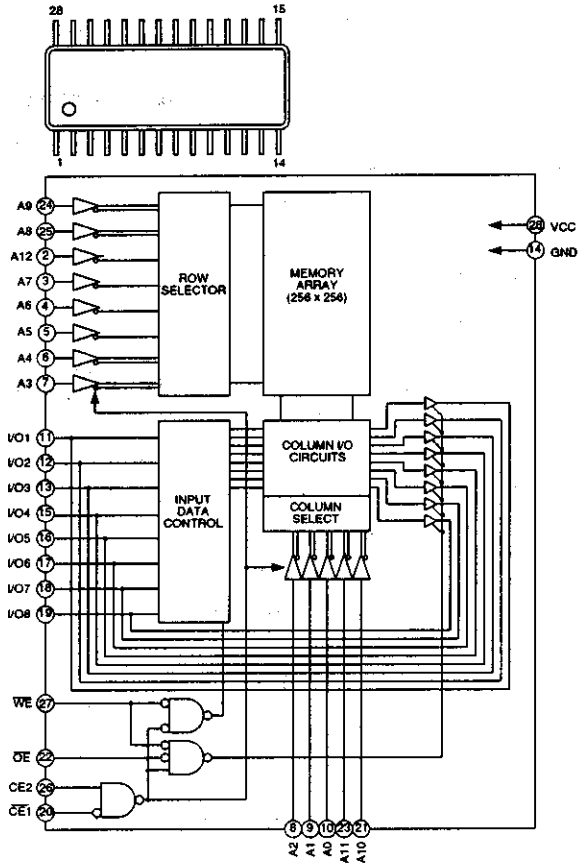


IC11, 12, 14: VHiMB4256A70/ (Control PWB)

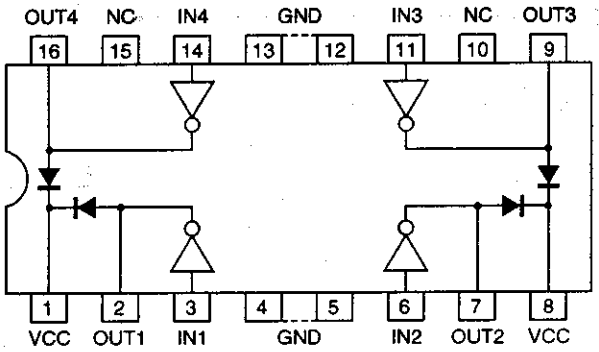




IC18: VHiLH5268TH10 (Control PWB)

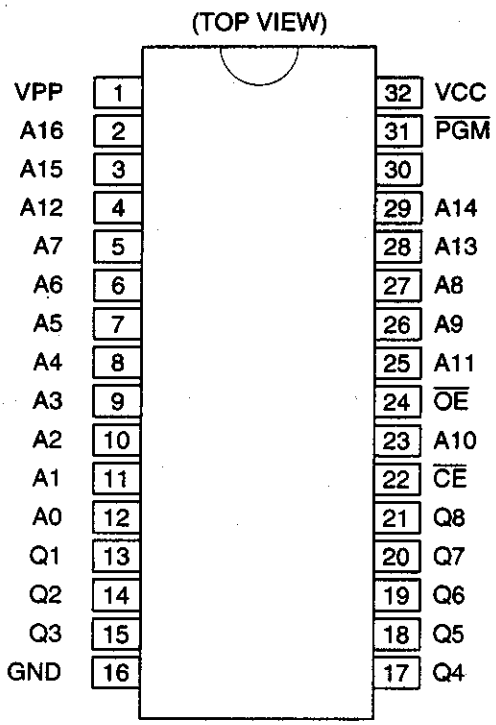


IC4: VHiLB1730//-1 (Control PWB)



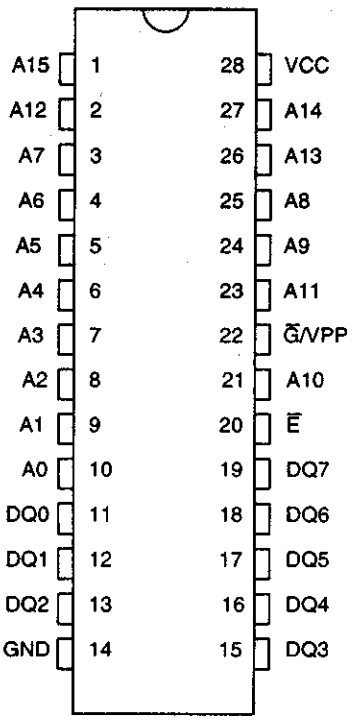
IC1: VHi27C02012Ti (Control PWB)

2M EP-ROM

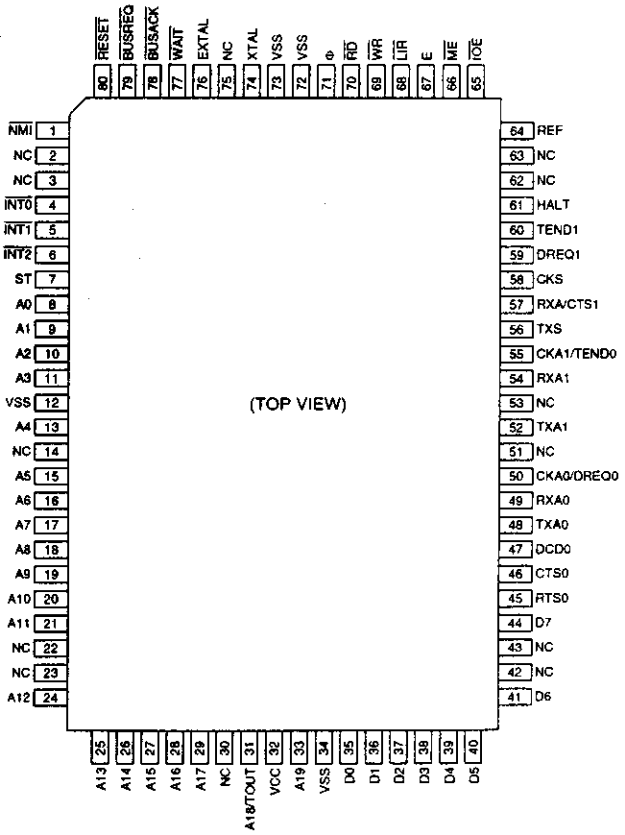


Pin name	Signal
A0~A17	Address input
$\overline{CE}$	Chip enable
$\overline{OE}$	Output enable
$\overline{PGM}$	Program
VPP	+12v ~ -13v programming power
GND	Ground
Q1~Q8	Data output
VCC	+5V power

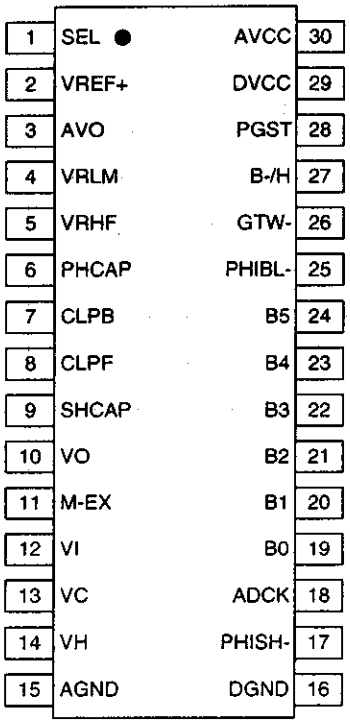
IC2: VHi27C51215Ti (Control PWB)



IC6, 7: VHiZ8018008FS (Control PWB)



IC9: VHiTLS1019/-1 (Control PWB)



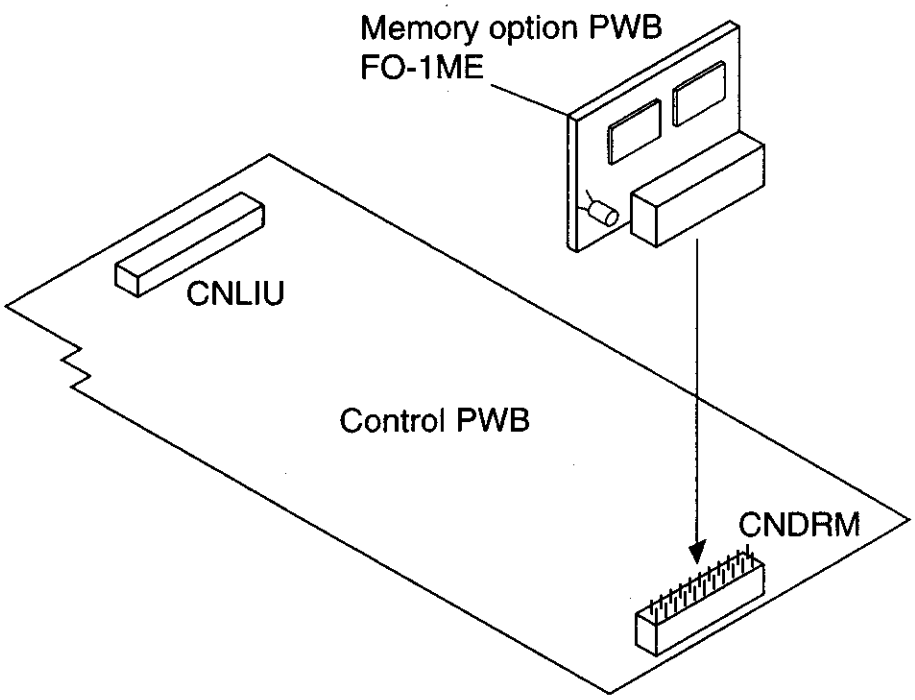
No	Terminal Name	Type		Function
1	SEL	IN	D	Input pre-amp gain switching terminal. L: Internal, H: External
2	VREF+	OUT	A	VREF upper voltage monitor terminal for AD.
3	AVO	OUT	A	AD input monitor terminal.
4	VRLM	IN	A	In the binary mode, upper voltage minimum limit setting terminal for AD.
5	VRHF	IN	A	In the halftone mode, upper voltage setting terminal for AD.
6	PHCAP	I/O	A	External capacitor connecting terminal for AGC.
7	CLPB	IN	A	DC clamp, offset canceler, and signal input.
8	CLPF	OUT	A	Sample hold buffer output.
9	SHCAP	I/O	A	For sample hold, external capacitor connecting terminal.
10	VO	OUT	A	Input pre-amp output
11	M-EX	IN	A	When setting the external gain, minus input of input pre-amp.
12	VI	IN	A	Video signal input.
13	VC	I/O	A	Internal reference voltage smoothing terminal. External capacitor 1μF connection.
14	VH	OUT	A	Voltage output for VRHF and VRLM generation. Terminal voltage: 3.65V
15	AGND	PS	–	Analog GND power supply.
16	DGND	PS	–	Digital GND power supply.
17	PHISH–	IN	D	Control input for sample hold. L: Sample, H: Hold
18	ADCK	IN	D	Reference clock input for AD converter.
19	B0	OUT	D	AD converter data output B0. LSB
20	B1	OUT	D	AD converter data output B1.
21	B2	OUT	D	AD converter data output B2.
22	B3	OUT	D	AD converter data output B3.
23	B4	OUT	D	AD converter data output B4.
24	B5	OUT	D	AD converter data output B5. MSB
25	PHIBL–	IN	D	Control input for DC clamp. L: Clamp
26	GTW–	IN	D	Binary setting voltage switching control input for AGC. H: Binary minimum limit, L: AVO
27	B–/H	IN	D	Halftone, binary setting voltage switching terminal for AGC. H: Halftone, L: Binary minimum limit, AVO
28	PGST	IN	D	External capacitor discharge control input for AGC. L: Discharge
29	DVCC	PS	–	Digital VCC power supply.
30	AVCC	PS	–	Analog VCC power supply.

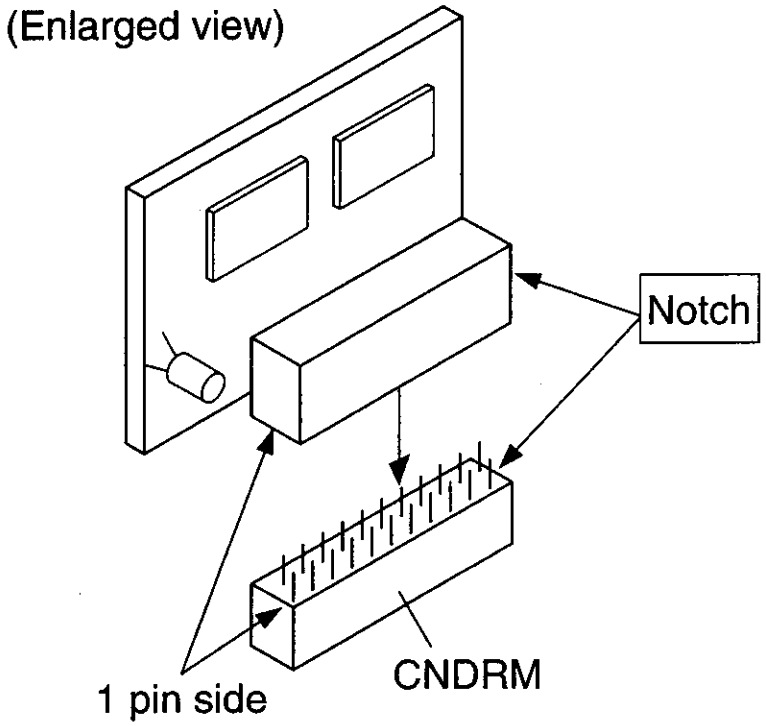
(Note 16) The abbreviations in the column of "Type" are as follows; IN: Input, OUT: Output, I/O: Input/Output, A: Analog, D: Digital, PS: Power supply pin.

[3] Option (Memory upgrade PWB FO-1ME)

(1) Remove the bottom plate ass'y as shown in chapter 3-7, and mount it on the control PWB.

Note: When removing the bottom plate ass'y, be sure to remove the drum and cartridge in advance, and remove the toner falling inside the printer with a vacuum cleaner.





SHARP PARTS GUIDE

MODEL FO-2600

SELECTION CODE	COUNTRY
TH	Thailand
SG	Singapore
GU	General Area
GH	General Area

CONTENTS

1 Cabinet, etc.

2 Upper cabinet

3 Optical unit

4 General

5 Exteriors

6 Upper frame section

7 Lower frame section

8 Fusing section

9 Packing material & Accessories

10 Control PWB unit

11 TEL-Liu PWB unit

12 PCU PWB unit

13 Power supply PWB unit

14 CCD PWB unit

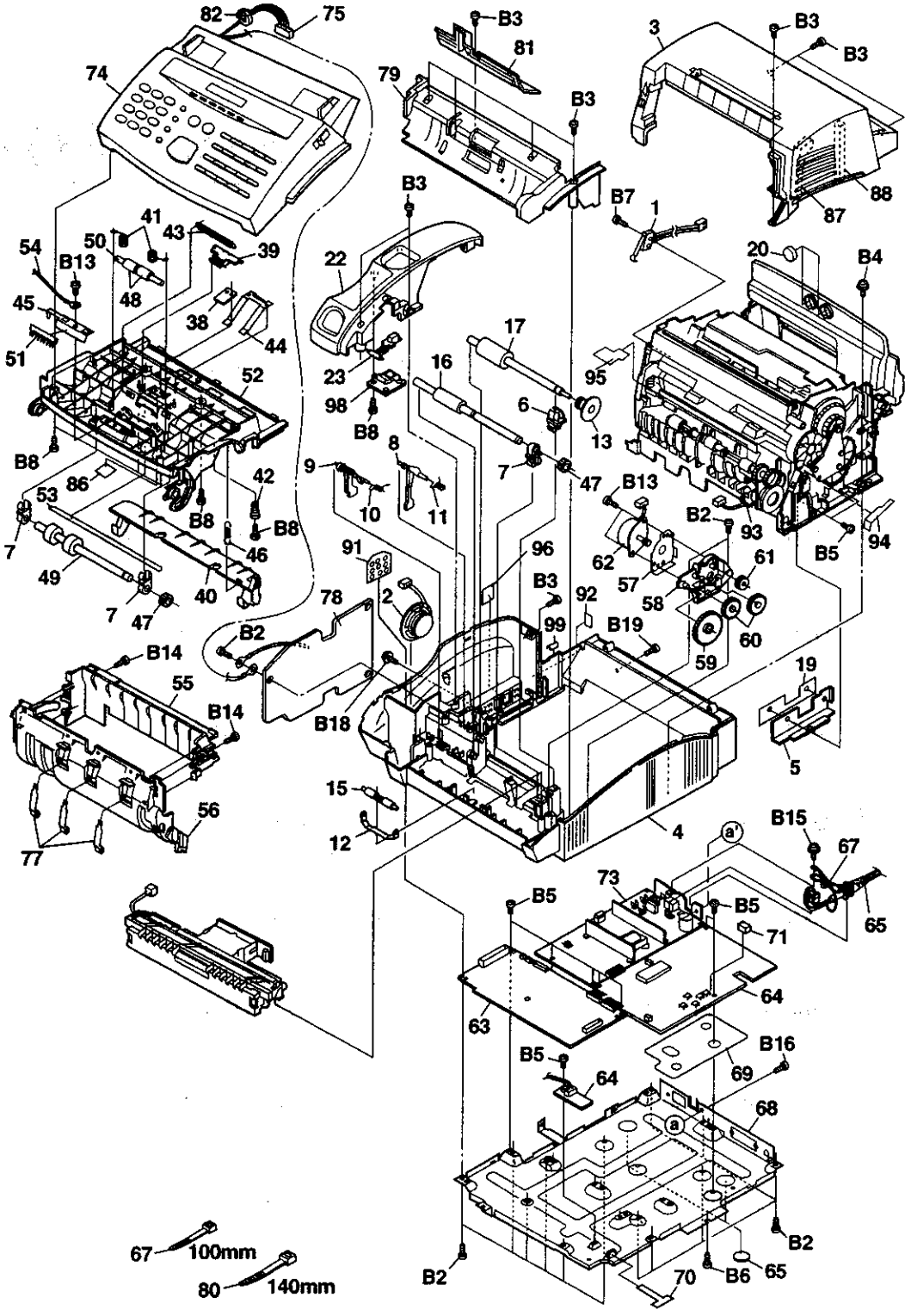
50 Hardware parts

■ Index

Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

FO-2600TH/SG
FO-2600GU/GH

1 Cabinet, etc.



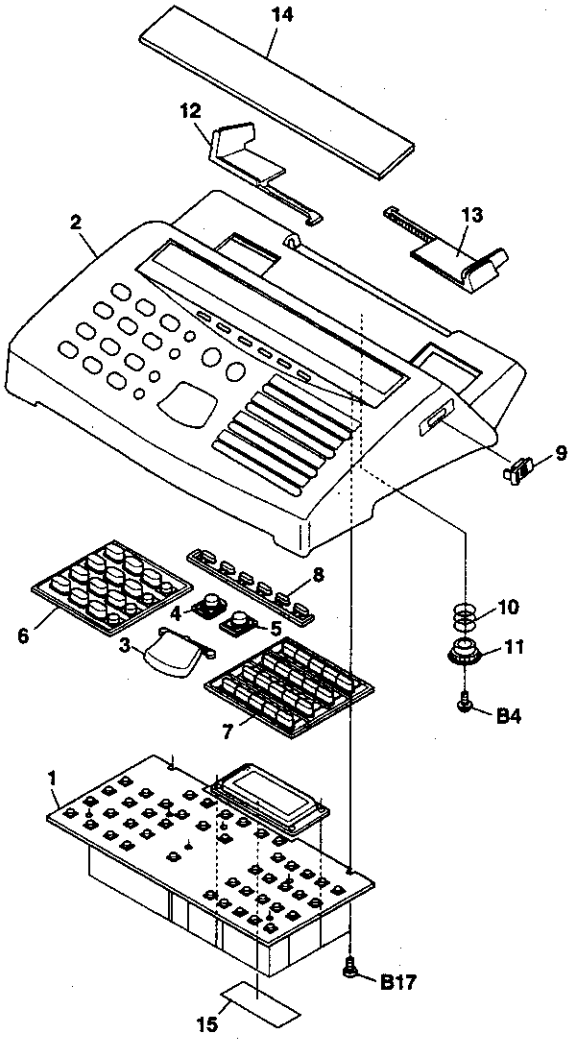
1 Cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
⚠ 1	CCNW-4422SC01	AL	N	C	Interlock switch ass'y
2	CCNW-4423SC01	AK	N	C	Speaker ass'y

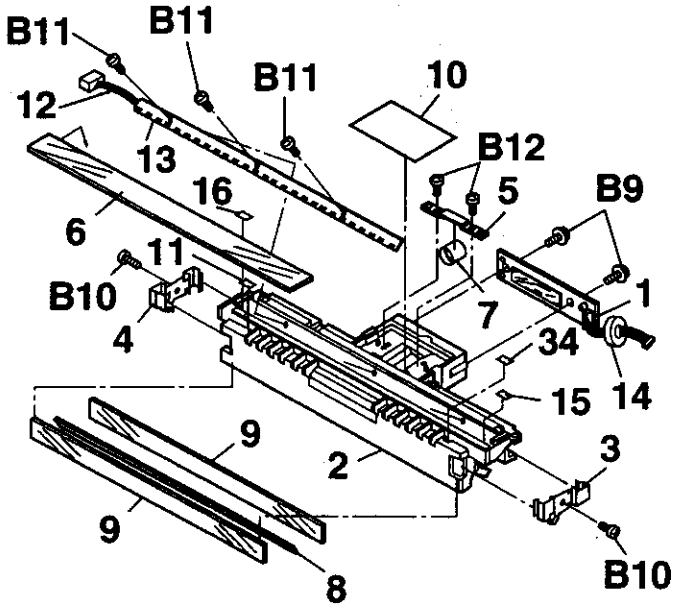
1 Cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
3	GCABA2261SCZB	AV	N	D	Upper cabinet
4	GCABC2263SCZD	AZ	N	D	Lower cabinet [TH/GU]
	GCABC2263SCZC	AZ	N	D	Lower cabinet [SG/GH]
5	LANGF2805SCZZ	AE	N	C	Printer bracket
6	LBSHP2066SCZZ	AC	N	C	Bearing
7	LBSHP2067SCZZ	AC	N	C	Bearing
8	MLEVP2195SCZZ	AD	N	C	Front sensor lever
9	MLEVP2196SCZZ	AD	N	C	Document sensor lever
10	MSPRD2750SCZZ	AB	N	C	Document sensor lever spring
11	MSPRD2761SCZZ	AB	N	C	Front sensor lever spring
12	MSPRP2687SCZZ	AC	N	C	Pinch spring 2
13	NGERH2204XHZZ	AM		C	Paper feed gear
15	NRŌLP2249XHZZ	AE		C	Pinch roller 2
16	NRŌLR2317SCZZ	AK	N	C	Transfer roller 1
17	NRŌLR2319SCZZ	AM	N	C	Paper feed roller
19	PSHEZ3147SCZZ	AD	N	C	Insulation sheet
20	PSHEZ3148SCZZ	AE	N	C	Sheet
22	GDAi-2072SCZB	AN	N	C	Handset cover
23	MLEVP2198SCZB	AD	N	C	Hook switch lever
38	LPLTG2707SCZZ	AE		C	Rubber, separator
39	LPLTP2703XHZZ	AC		C	Separator plate
40	MLEVP2197SCZZ	AH	N	C	Release lever
41	MSPRC2692SCZZ	AB	N	C	Pinch roller spring
42	MSPRC2791SCZZ	AC	N	C	Panel up spring
43	MSPRC2798SCZZ	AC	N	C	Separator spring
44	MSPRP2752SCZZ	AD	N	C	Paper feed spring
45	MSPRP2753SCZZ	AD	N	C	Earth sheet
46	MSPRT2751SCZZ	AB	N	C	Release lever return spring
47	NGERH2207XHZZ	AD		C	Transfer gear 2
48	NRŌLP2300XHZZ	AC		C	Pinch roller
49	NRŌLR2318SCZZ	AK	N	C	Transfer roller
50	NSFTZ2252SCZZ	AC		C	Pinch roller shaft
51	PBRS-2046SCZZ	AE	N	C	Electro-static discharger brush
52	PGiDP2424SCZZ	AX	N	C	Document guide upper
53	PSHEZ3120SCZZ	AC	N	C	Rear sheet
54	QCNW-4425SCZZ	AD	N		Earth cable
55	LPLTP2747SCZZ	AL	N	C	Shading plate
56	PGiDP2427SCZZ	AR	N	C	FD guide
57	LPLTM2752SCZZ	AC	N	C	Motor heat sink
58	LPLTP2746SCZZ	AH	N	C	Motor plate
59	NGERH2201XHZA	AG		C	Idler gear 6
60	NGERH2240XHZZ	AC		C	Reduction gear
61	NGERH2261XHZZ	AC		C	Slowdown gear
62	RMŌTZ2118SCZZ	AV	N	B	Transfer motor
63	DCEKC086HSCZZ	CD	N	E	Control PWB unit (Within ROM) [TH]
	DCEKC088HSCZZ	CD	N	E	Control PWB unit(Within ROM) [GU]
	DCEKC084HSCZZ	CD	N	E	Control PWB unit(Within ROM) [SG]
	DCEKC087HSCZZ	CD	N	E	Control PWB unit(Within ROM) [GH]
64	DCEKK437ASC02	BQ	N	E	PCU PWB unit
⚠ 65	QACCV662AXHZZ	AZ		B	AC cord [TH/GU/GH]
⚠	QACCF732ASCZZ	AZ		E	AC cord [SG]
66	GLEGG2026SCZZ	AA		C	Rubber foot
67	LBNDJ2006SCZZ	AA		C	Band (GT-100M)
68	LPLTM2745SCZZ	AV	N	C	Bottom plate
69	PSHEZ3119SCZZ	AE	N	C	Insulation sheet
70	PSHEZ3169SCZZ	AC	N	C	Insulation sheet
71	PSPAZ2208SCZZ	AC	N	C	PWB spacer
⚠ 73	RDENT2092XHZZ	BS	N	E	Power supply PWB unit
74	CPNLC2360SC57	BN	N	E	Operation panel unit
75	QCNW-4424SCZZ	AR	N	C	Panel cable
77	CRŌLP2320SC01	AL	N	C	Pinch roller ass'y
78	DCEKL436ASC02	BN	N	E	TEL-Liu PWB unit [TH]
	DCEKL436ASC03	BN	N	E	TEL-Liu PWB unit [GU]
	DCEKL459ASC19	BN	N	E	TEL-Liu PWB unit [SG]
	DCEKL459ASC20	BN	N	E	TEL-Liu PWB unit [GH]
79	GCABB2262SCZB	AT	N	D	Document guide lower
80	LBNDJ2009SCZZ	AA		C	Band (140mm)
81	PCŌVP2102SCZZ	AG	N	C	ROM cover
⚠ 82	RCŌRF2063SCZZ	AE		B	Core (TRA20)
86	PSHEZ3183SCZZ	AC	N	C	Paper feed guide sheet
87	PMLT-2007SCZZ	AC	N	C	Cushion A
88	PMLT-2008SCZZ	AC	N	C	Cushion B
91	PSHEZ3189SCZZ	AD	N	C	Speaker sheet
92	PSHEZ3149SCZZ	AD	N	C	UK jack sheet [SG/GH]
93	LBNDJ2007SCZZ	AA		C	Band
94	PSHEZ3187SCZZ	AC	N	C	Printer sheet A
95	PSHEZ3188SCZZ	AD	N	C	Printer sheet B
96	PSHEZ3125SCZZ	AB	N	C	Jack sheet
98	DCEKF459ASC02	AU	N	C	Hook switch PWB unit
99	PFLT-2011SCZZ	AA	N	C	Felt

2 Upper cabinet



3 Optical unit



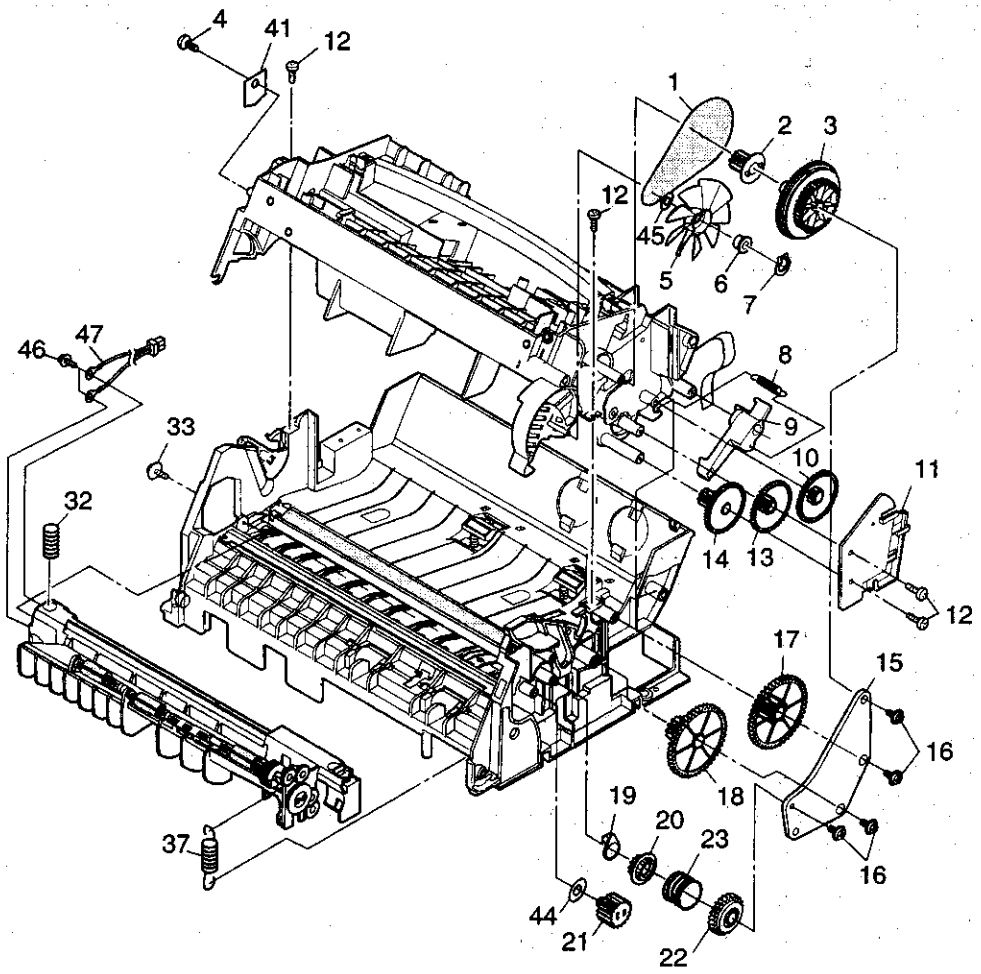
2 Upper cabinet

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DCEKP434ASC01	BC	N	E	Operation panel PWB unit
2	GCASP2072SCZE	AU	N	D	Panel case
3	JBTN-2151SCZZ	AE	N	C	Start key
4	JBTN-2152SCZB	AD	N	C	Copy key
5	JBTN-2153SCZZ	AD	N	C	Stop key
6	JBTN-2154SCZB	AK	N	C	12 key
7	JBTN-2155SCZB	AE	N	C	Direct key
8	JBTN-2156SCZB	AD	N	C	Mode key
9	JKNBP2068SCZB	AD	N	C	Release knob
10	MSPRC2796SCZZ	AC	N	C	Hopper spring
11	NGERP2287SCZZ	AC	N	C	Pinion gear
12	PGiDM2428SCBL	AF	N	C	Hopper guide, left
13	PGiDM2428SCBR	AF	N	C	Hopper guide, right
14	HPNLC2360SCZB	AG	N	C	Decoration panel
15	PSHEZ3174SCZZ	AC	N	C	LCD sheet
	(Unit)				
901	CPNLC2360SC57	BN	N	E	Operation panel unit

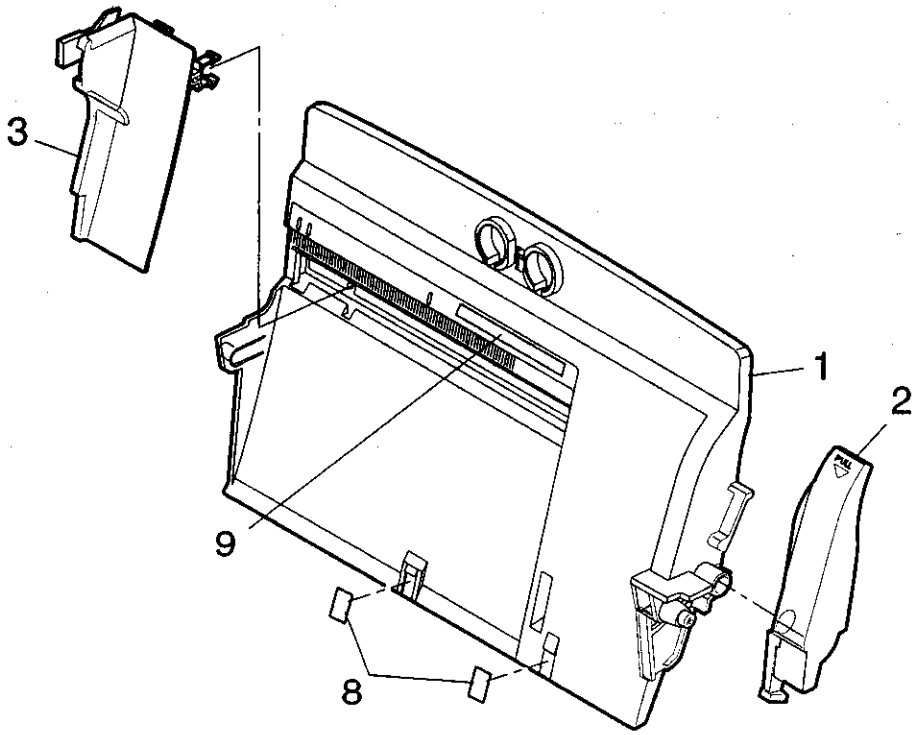
3 Optical unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DCEKD333ASC02	BG	N	E	CCD PWB unit
2	LFRM-2147XHYA	AV		C	Optical frame
3	MSPRP2618SCZZ	AD		C	Mirror spring 1
4	MSPRP2619SCZZ	AD		C	Mirror spring 2
5	MSPRP2512SCZZ	AB		C	Lens holding spring
6	PGLSP2043SCZZ	AF		C	Reader glass
7	PLNS-2043XHZZ	AU		B	Lens
8	PMiR-2061SCZZ	AG		C	Mirror 1
9	PMiR-2062SCZZ	AH		C	Mirror 2
10	PSHEZ3126SCZZ	AC	N	C	Shading sheet
11	PSHEZ3129SCZZ	AB	N	C	Dustproof sheet
12	QCNW-4421SCZZ	AD	N	C	LED cable
13	VHPSNK08B24-1	AU		B	LED
⚠14	RCORF2064SCZZ	AE		B	Core (TRA31)
15	PSHEZ3190SCZZ	AB	N	C	Blind sheet A
16	PSHEZ3191SCZZ	AB	N	C	Blind sheet B

4 General



5 Exteriors



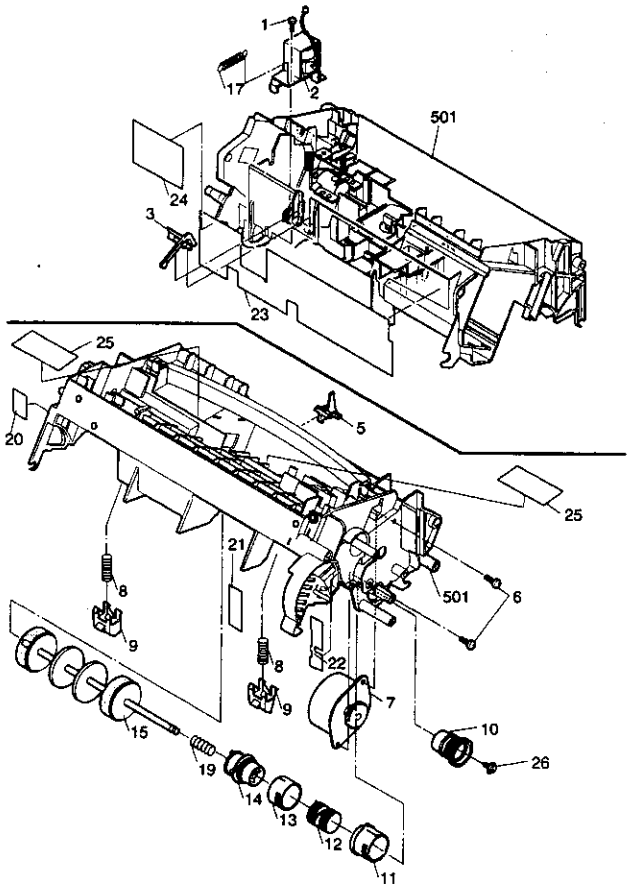
4 General

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NBLTH0008GCZ1	AG	N	C	Fan belt
2	NGERH0076GCZZ	AC		C	DV−I−gear B
3	NGERH0075GCZ1	AF	N	C	DV−I−gear A
5	NFANP0003GCZZ	AF		C	Cooling fan
6	NBRGP0031GCZZ	AC		C	Fan bearing
7	PRNGP0026FCZZ	AA		C	G ring
8	MSPRC0139GCZZ	AC		C	Lock lever spring
9	MLEVP0041GCZZ	AC		C	Tray lock lever
10	NGERH0094GCZZ	AC		C	PU idle gear A
11	PCÖVP0046GCZ1	AC	N	C	PU gear cover
12	XEBSD30P08000	AA		C	Screw (M3×8)
13	NGERH0095GCZZ	AD		C	PU idle gear B
14	NGERH0096GCZZ	AC		C	PU idle gear C
15	LPLTM0159GCZZ	AD		C	Gear plate
16	XEPSD30P08X00	AA		C	Screw (M3×8)
17	NGERH0071GCZZ	AC		C	Motor idle gear
18	NGERH0072GCZZ	AD		C	DR idle gear A
19	MLEVP0037GCZZ	AB		C	FU clutch lever
20	NGERH0078GCZZ	AC		C	FU clutch gear B
21	NGERH0074GCZZ	AC		C	FU idle gear
22	NGERH0077GCZZ	AC		C	FU clutch gear A
23	MSPRC0135GCZZ	AB		C	FU clutch spring
32	MSPRC0143GCZ1	AA	N	C	FU spring
33	LX−UZ3006NCZZ	AA		C	Screw (M3×6(ZMC3A))
37	MSPRT0229GCZZ	AC	N	C	Fusing spring−R
41	LSUPP0006GCZZ	AD		C	CAB−SPRT−L
44	LX−WZ1013HCZZ	AA		C	Washer
45	LX−WZ2021SCZZ	AA		C	Washer
46	XBPSN30P06K00	AB		C	Screw
47	QCNW−4428SCZZ	AF	N	C	Heater cable

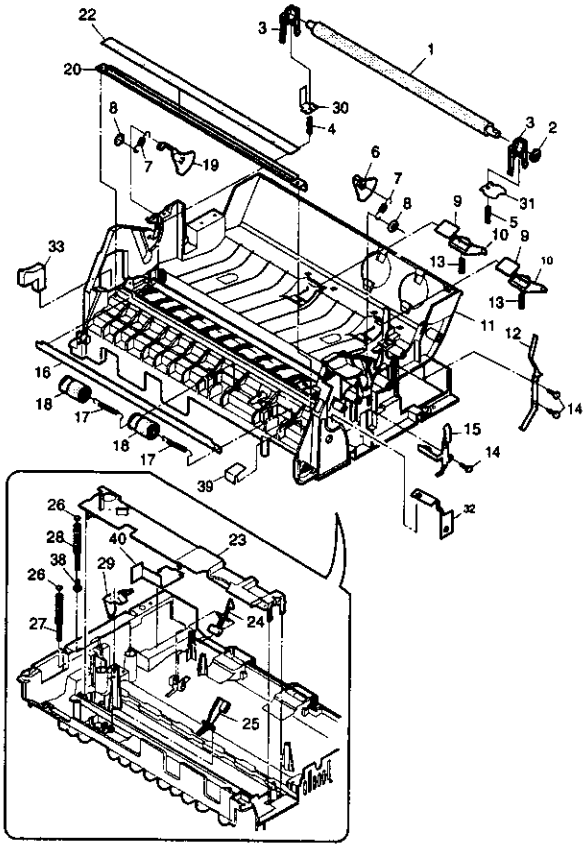
5 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LSÖU−0007GCZ1	AQ	N	C	PU tray
2	MLEVP0043GCZ1	AF	N	C	Tray release lever
3	PGiDM0046GCZ1	AE	N	C	P−tray guide
8	PSHEP0162GCZZ	AC		C	Tray FR sheet
9	TLABZ0202GCZ2	AD	N	D	Size label

6 Upper frame section



7 Lower frame section



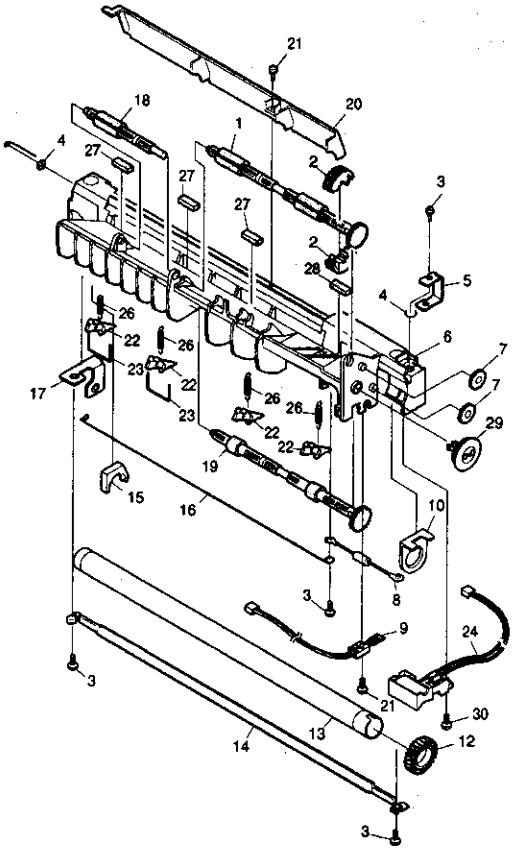
6 Upper frame section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	XEBSD30P08000	AA		C	Screw (M3×8)
2	RPLU-0003GCZ1	AM	N	B	PU solenoid
3	MLEVP0042GCZZ	AC		C	PE lever
5	MLEVP0046GCZZ	AE		C	Sleeve release lever
6	XHBSD30P06000	AA		C	Screw (M3×6)
7	RMOTN0023GCZZ	AX	N	B	M motor
8	MSPRC0159GCZZ	AC	N	C	DV fixing spring
9	LFiX-0003GCZZ	AC		C	DV fixer
10	NGERH0080GCZZ	AE		C	PU roller gear
11	PPiPP0003GCZ1	AC	N	C	PU clutch sleeve
12	MSPRT0137GCZZ	AD		C	PU clutch spring
13	PPiPP0006GCZ1	AC	N	C	R sleeve
14	LBOSZ0058GCZZ	AE		C	PU roller boss
15	NROLP0056GCZ1	AR	N	C	PU roller
17	MSPRC0159GCZZ	AC		C	Lever release spring
18	PSHEP0157GCZZ	AC	N	C	Upper frame sheet
19	MSPRC0224GCZZ	AB	N	C	CL-SPPRT spring
20	PSHEP0165GCZZ	AB	N	C	Shading sheet D
21	PSHEP0166GCZZ	AC	N	C	Shading sheet C
22	PSHEP0163GCZZ	AC	N	C	Shading sheet A
23	PSHEP0164GCZZ	AK		C	Shading sheet B
24	PSHEP0171GCZZ	AF		C	Shading sheet E
25	TLABZ0205GCZZ	AC	N	D	Laser caution label
26	LX-BZ0187FCZZ	AA	N	C	Screw (3×6)
501	CFRM-0029GC80	BU	N	E	Upper frame unit

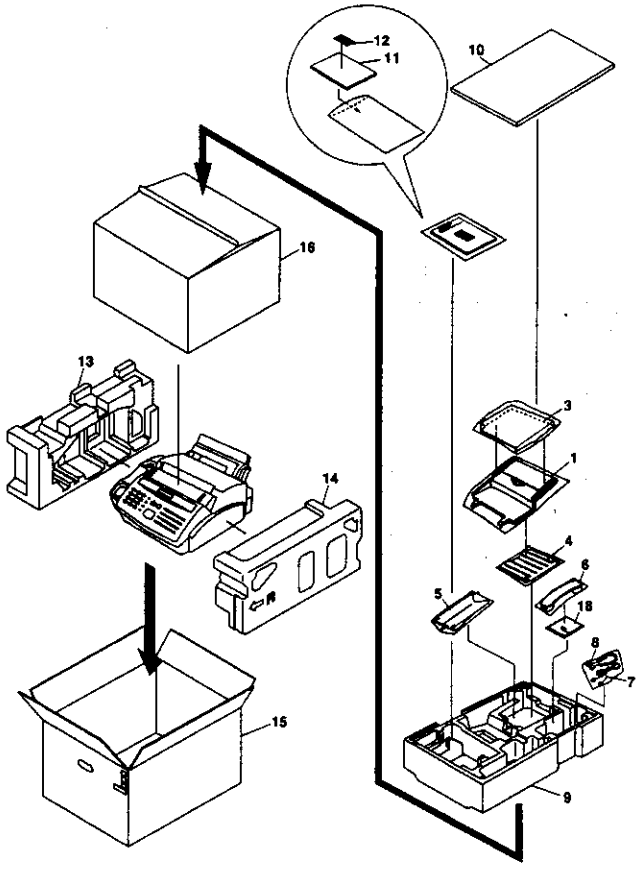
7 Lower frame section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NROLP0060GCZ1	AY	N	C	TR roller
2	NGERH0082GCZ1	AC	N	C	TR gear
3	NBRGP0032GCZZ	AC		C	TR bearing R
4	MSPRC0155GCZ1	AB	N	C	TR spring L
5	MSPRC0142GCZ1	AB	N	C	TR spring R
6	MLEVP0038GCZZ	AC		C	DR lock lever R
7	MSPRP0158GCZZ	AC		C	DR lock spring
8	LX-WZ0044FCZZ	AA		C	Washer (CS-3)
9	PSHEG0113GCZ1	AF	N	C	Separate sheet → ?
10	LPLTP0162GCZ1	AD	N	C	Separate plate
11	LFRM-0027GCZZ	AX		C	Lower frame
12	QSLP-0032GCZZ	AD		C	DV terminal
13	MSPRT0138GCZ1	AB	N	C	Separate spring
14	XEBSD30P08000	AA		C	Screw (M3×8)
15	QSLP-0028GCZZ	AE		C	Earth terminal
16	LPLTM0163GCZZ	AE		C	Discharger plate
17	MSPRT0141GCZ1	AC	N	C	FU-PSV spring
18	NROLP0059GCZZ	AC	N	C	FU-PSV roller
19	MLEVP0039GCZZ	AC		C	DR lock lever L
20	LPLTM0027GCZZ	AC	N	C	FU plate
22	PSHEP0115GCZ1	AK	N	C	FU sheet
23	PCASZ0019GCZZ	AF		C	Fan duct A
24	MLEVP0040GCZZ	AC		C	P-IN lever
25	MLEVP0045GCZZ	AC		C	PO actuator
26	PCOVP0038GCZZ	AA		C	Terminal cover
27	MSPRC0133GCZ1	AC	N	C	MC terminal spring
28	MSPRC0132GCZ2	AC	N	C	DV terminal spring
29	MSPRC0134GCZZ	AD		C	TR terminal spring
30	PSHEP0151GCZZ	AD	N	C	TR sheet L
31	PSHEP0150GCZZ	AC	N	C	TR sheet R
32	PSHEP0158GCZZ	AD	N	C	FU-GND-sheet
33	PSPAZ0026GCZZ	AD	N	C	FU-UND-bearing
38	XEBSN30P16000	AB	N	C	Screw
39	PSHEP0168GCZZ	AD	N	C	Harness fixing sheet B
40	PSHEZ3134SCZZ	AE	N	C	Cable cover

8 Fusing section



9 Packing material & Accessories



8 Fusing section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NRÖLP0057GCZZ	AG		C	PO roller
2	JKNBZ0004GCZZ	AC		C	FU knob
3	XBPSN30P05K00	AA		C	Screw (3×5K)
4	XNGSN30-18000	AC	N	C	Nut (M3)
5	QSLP-0029GCZZ	AD		C	FU terminal
6	PCÖVP0048GCZZ	AV	N	C	FU cover
7	NGERH0097GCZZ	AC	N	C	FD idle gear
8	QFS-T0005GCZZ	AQ	N	B	#1 Fuse
9	RDTCT0019GCZZ	AP	N	B	Thermistor
10	NBRGC0035GCZ1	AE	N	C	FU bearing R
12	NGERH0083GCZZ	AC		C	Fusing gear (27T)
13	NRÖLM0061GCZ1	AT	N	C	Heat roller
14	RLMPU0011GCZ1	AX	N	B	Heater lamp
15	NBRGC0034GCZ1	AD	N	C	FU bearing L
16	PBARM0001GCZ1	AE	N	C	FU-AC cord
17	QSLP-0030GCZZ	AD		C	FU AC terminal C
18	NRÖLP0066GCZZ	AG	N	C	PO roller-L
19	NRÖLP0095GCZZ	AH	N	C	PO roller-N
20	PCÖVP0072GCZZ	AG	N	C	FU cover A
21	XEBSE30P10000	AA		C	Screw (M3×10)
22	PTME-0020GCZZ	AG	N	C	Separate N
23	MSPRD0227GCZZ	AC	N	C	Separate spring-A
24	QFS-T0006GCBZ	AN	N	C	#2 Fuse ass'y
26	MSPRT0228GCZZ	AB	N	C	Separator spring-B
27	PMLT-0054GCZZ	AB	N	C	FU cushion B
28	PMLT-0053GCZZ	AB	N	C	FU cushion A
29	NGERH0098SCZZ	AD	N	C	Idle gear
30	XEBSD30P08000	AA		C	Screw
31	PSHEP0167GCZZ	AC	N	C	Wire sheet
	(Unit)				
901	DUNTW0100GC13	BG	N	E	Fusing unit

9 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	CPLTP2748SC04	AS	N	C	Paper tray with extend paper tray
3	LPLTP2750SCZZ	AN	N	C	Paper tray cover
4	LPLTP2751SCZZ	AH	N	C	Received document support
5	LPLTP2773SCZZ	AG	N	C	Original document support
⚠ 6	DUNTK4925XHW2	AY		E	Handset
7	QCNW-3975XHGY	AG		C	Telephone line cord
8	QCNW-3976XHÖG	AT		C	Handset cord
9	SPAKA4644SCZZ	AN	N	D	Add.,accessories
10	SPAKA4645SCZZ	AE	N	D	Pad,accessories
11	TiNST3575SCZZ	AW	N	D	Operation manual [TH]
	TiNSE3573SCZZ	AT	N	D	Operation manual [GU/SG/GH]
12	TLABH3775SCZA	AE	N	D	Rapid key labels
13	SPAKA4646SCZZ	AL	N	D	Add.,left
14	SPAKA4647SCZZ	AK	N	D	Add.,right
15	SPAKC4701SCZZ	AX	N	D	Packing case
16	SPAKP4381XHZZ	AG		D	Vinyl cover

10 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
⚠ 1	UBATL2034SCZZ	AH		B	Battery (CR2450THD)	[BAT1]
2	VCEAEA1CW476M	AA		C	Capacitor (16WV 47μF)	[C1]
3	VCEAEA1CW336M	AB		C	Capacitor (16WV 33μF)	[C3]
4	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C4]
5	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C5]
6	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C6]
7	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C9]
8	VCEAEA1EW475M	AA		C	Capacitor (25WV 4.7μF)	[C10]
9	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C11]
10	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C12]
11	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C13]
12	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C101]
13	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C102]
14	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C103]
15	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C104]
16	VCCCTV1HH101J	AA		C	Capacitor (50WV 100PF)	[C106]
17	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C107]
18	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C108]
19	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C109]
20	VCKYTV1HB472K	AA		C	Capacitor (50WV 4700PF)	[C111]
21	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C112]
22	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C113]
23	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C114]
24	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C115]
25	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C116]
26	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C117]
27	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C119]
28	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C121]
29	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C122]
30	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C123]
31	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C124]
32	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF)	[C125]
33	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C126]
34	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C127]
35	VCKYTQ1CF225Z	AC	N	C	Capacitor (16WV 2.2μF)	[C128]
36	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C129]
37	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C130]
38	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF)	[C131]
39	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C135]
40	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C136]
41	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C137]
42	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C138]
43	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C139]
44	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C141]
45	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C142]
46	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C143]
47	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C145]
48	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C146]
49	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C147]
50	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C148]
51	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C149]
52	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C150]
53	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C151]
54	VCCSTV1HL391J	AA		C	Capacitor (50WV 390PF)	[C152]
55	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C153]
56	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C154]
57	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C155]
58	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C156]
59	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C157]
60	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C158]
61	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C159]
62	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C160]
63	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C161]
64	VCKYTQ1CF105Z	AE	N	C	Capacitor (16WV 1.0μF)	[C162]
65	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C163]
66	VCKYTV1HB681K	AA		C	Capacitor (50WV 680PF)	[C164]
67	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C165]
68	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C166]
69	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C167]
70	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C168]
71	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C169]
72	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C170]
73	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C171]
74	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C173]
75	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C174]
76	VCKYTQ1CF105Z	AE	N	C	Capacitor (16WV 1.0μF)	[C176]
77	VCCCTV1HH330J	AA		C	Capacitor (50WV 33PF)	[C177]
78	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C178]
79	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C179]
80	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C180]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
81	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C182]
82	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C183]
83	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C185]
84	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C186]
85	VCCCTV1HH330J	AA		C	Capacitor (50WV 33PF)	[C187]
86	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C188]
87	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C189]
88	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C190]
89	QCNCM7014SC0G	AB		C	Connector (7pin)	[CNCCD]
90	QCNCM2465SC3J	AF		C	Connector (30pin)	[CNDRM]
91	QCNCM2401SC0B	AA		C	Connector (2pin)	[CNLED]
92	QCNCM2456SC2F	AG		C	Connector (26pin)	[CNLIU] [TH/GU]
	QCNCM2456SC3B	AH		C	Connector (32pin)	[CNLIU] [SG/GH]
93	QCNCW690MAFZZ	AD	N	C	Connector (12pin)	[CNPCU]
94	QCNCM2482SC2B	AE		C	Connector (22pin)	[CNPNL]
95	QCNCW690KAFZZ	AD	N	C	Connector (10pin)	[CNPW]
96	QCNCM7014SC0F	AB		C	Connector (6pin)	[CNTXM]
97	VHDDAP202U//-1	AB		B	Diode (DAP202U)	[D101]
98	VHDRB400D//-1	AC		B	Diode (RB400D)	[D102]
99	VHD1SS355//-1	AB	N	B	Diode (1SS355)	[D103]
100	VHD1SS355//-1	AB	N	B	Diode (1SS355)	[D104]
⚠ 101	VHViCPN20//-1	AD		B	IC protector (ICP-N20)	[FU1]
	QSOCZ2051SC32	AC		C	IC socket (32pin)	[IC1]
	VHi27020FEE0B	BA		B	IC (27C020FEE0B)	[IC1] [TH]
102	VHi27020FEC0A	BA		B	IC (27C020FEC0A)	[IC1] [GU]
	VHi27020FEA0B	BA		B	IC (27C020FEA0B)	[IC1] [SG]
	VHi27020FED0D	BA		B	IC (27C020FED0D)	[IC1] [GH]
104	QSOCZ6428ACZZ	AE		C	IC socket (28pin)	[IC2]
105	VHi27512FHH0E	BL	N	B	IC (27512FHH0B)	[IC2]
106	VHiULN2003ANS	AE		B	IC (ULN2003ANS)	[IC3]
107	VHiLB1730//-1	AH		B	IC (LB1730)	[IC4]
108	VHiPQ12RF1/-1	AG		B	IC (PQ12RF1)	[IC5]
109	VHiZ80180008FS	AV		B	IC (Z80180)	[IC6]
110	VHiZ80180008FS	AV		B	IC (Z80180)	[IC7]
111	VHiM5255CF70L	AW	N	B	IC (M5M5255CFP70L)	[IC8]
112	VHiTLS1019/-1	AU	N	B	IC (TLS1019)	[IC9]
113	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC11]
114	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC12]
115	VHiR96DFXL/-1	BL		B	IC (R96DFXL)	[IC13]
116	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC14]
117	VHiLR38271///	AY	N	B	IC (LR38271)	[IC16]
118	VHiLZ9FJ32/-1	AY	N	B	IC (LZ9FJ32)	[IC17]
119	VHiLH5268TH10	AR		B	IC (LH5268TH10)	[IC18]
120	VHiHM514800J8	BG		B	IC (HM514800AJ8)	[IC19]
121	VHiHM514800J8	BG		B	IC (HM514800AJ8)	[IC20]
122	VHiNJU6355E-1	AM	N	B	IC (NJU6355E)	[IC21]
123	VHiPST591CMT1	AE	N	B	IC (PST591C)	[IC102]
124	VHiNJM4558F-1	AD		B	IC (NJM4558)	[IC103]
125	VHiNJM2903M-1	AD	N	B	IC (NJM2903)	[IC104]
126	VHiNJM2904M-1	AE	N	B	IC (NJM2904)	[IC105]
127	VHi74HCU04F-1	AC		B	IC (74HCU04F)	[IC106]
128	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L101]
129	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L102]
130	RCiLZ2104SCZZ	AK	N	C	Coil (Z2104)	[L103]
131	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L104]
132	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L105]
133	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L106]
134	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L107]
135	RCORF2098SCZZ	AE	N	C	Coil	[L108]
136	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L109]
139	VHPRPi-574///	AF	N	B	Photo transistor (RPI-574)	[PC1]
140	VHPRPi-574///	AF	N	B	Photo transistor (RPI-574)	[PC2]
141	VS2SC2412KS-1	AB		B	Transistor (2SC2412KS)	[Q101]
142	VRD-HT2HY331J	AA		C	Resistor (1/2W 330Ω ±5%)	[R1]
143	VRD-HT2HY331J	AA		C	Resistor (1/2W 330Ω ±5%)	[R2]
144	VRS-TP2BD561J	AA		C	Resistor (1/8W 560Ω ±5%)	[R101]
145	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R102]
146	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R103]
147	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R104]
148	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R105]
149	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R106]
150	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R107]
151	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R108]
152	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R109]
153	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R111]
156	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R114]
157	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R115]
158	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R116]
159	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R117]
160	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R118]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
161	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R119]
162	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R120]
163	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R121]
164	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R122]
165	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R123]
166	VRS-TS2AD152J	AA		C	Resistor (1/10W 1.5KΩ ±5%)	[R128] [TH/GU]
	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R128] [SG/GH]
167	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R129]
168	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R130]
169	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R131] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R131] [SG/GH]
170	VRS-TS2AD103J	AA		C	Resistor (1/10W 3KΩ ±5%) (1/10W 10KΩ ±5%)	[R132] [TH/GU]
	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R132] [SG/GH]
171	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R134]
172	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R136]
173	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R137]
174	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R139]
175	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R140]
176	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R141]
177	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R142]
178	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R143]
179	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R144]
180	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R145]
181	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R146]
182	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R147]
183	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R148]
184	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R149]
185	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R152]
186	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R153]
187	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R155]
188	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R156]
189	VRS-TS2AD.000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R157]
190	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R158]
191	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R159]
192	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R160]
193	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R161]
194	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R162]
195	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R163]
196	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R165]
197	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R167]
198	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R170]
199	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R171]
200	VRS-TS2AD432J	AA	N	C	Resistor (1/10W 4.3KΩ ±5%)	[R172]
201	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R173]
202	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R175]
203	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R177]
204	VRSTS2AD8662F	AA		C	Resistor (1/10W 86.6KΩ ±1%)	[R183]
205	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R184]
206	VRS-TS2AD622J	AA		C	Resistor (1/10W 6.2KΩ ±5%)	[R185]
207	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R186]
208	VRS-TS2AD3R0J	AA		C	Resistor (1/10W 3.0Ω ±5%)	[R187]
209	VRSTS2AD1742F	AA	N	C	Resistor (1/10W 17.4KΩ ±1%)	[R188]
210	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R189]
211	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R191]
212	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R192]
213	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R193]
214	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R194]
215	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R195]
216	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R196]
217	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R197]
218	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R198]
219	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R199]
220	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R200]
221	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R201]
222	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R202]
223	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R206]
224	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R207]
225	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R208]
226	VRSTS2AD4752F	AA		C	Resistor (1/10W 47.5KΩ ±1%)	[R209]
227	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R210]
228	VRSTS2AD1183F	AA	N	C	Resistor (1/10W 118KΩ ±1%)	[R211]
229	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R212]
230	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R213]
231	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R215]
232	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R216]
233	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R217]
234	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R218]
235	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R219]
236	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R220]
237	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R221]

10 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
238	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R222]
239	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R223]
240	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R224]
241	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R225]
242	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R226]
243	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R227]
244	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R228]
245	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R229]
246	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R230]
247	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R231]
248	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R232]
249	VRSTS2AD8662F	AA		C	Resistor (1/10W 86.6KΩ ±1%)	[R233]
250	VRS-TS2AD302J	AA		C	Resistor (1/10W 3.0KΩ ±5%)	[R234]
251	VRS-TS2AD105J	AA		C	Resistor (1/10W 1.0MΩ ±5%)	[R237]
252	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R238]
253	VRS-TS2AD3R0J	AA		C	Resistor (1/10W 3.0Ω ±5%)	[R239]
254	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R240]
255	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R242]
256	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R243]
257	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R244]
258	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R245]
259	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[R246]
260	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R247]
261	VRS-TP2BD201J	AA		C	Resistor (1/8W 200Ω ±5%)	[R248]
262	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R249]
263	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R250]
264	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R251]
265	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R252]
266	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R253]
267	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R256]
268	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R257]
269	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R258]
270	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R259]
271	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R260]
272	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R261]
273	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R262]
274	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R264]
275	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R265]
276	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R266]
277	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R267]
278	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R268]
279	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R269]
280	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R270]
281	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R271]
282	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R272]
283	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R273]
284	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R274]
285	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R275]
286	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R276]
287	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R277]
288	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R278]
289	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R279]
290	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R280]
291	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R281]
292	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R282]
293	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R283]
294	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R284]
295	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R285]
296	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R293]
297	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R294]
298	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R295]
299	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R296]
300	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R299]
301	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R301]
302	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R303]
303	VRS-TS2AD152J	AA		C	Resistor (1/10W 1.5KΩ ±5%)	[R304]
317	QSWHXW5000///	AE	N	B	Switch (HXW500)	[SW2]
318	RCRSZ7008SCZZ	AD		B	Crystal (16MHz)	[X1]
319	RCRSP2106SCZZ	AG	N	B	Crystal (15.710919MHz)	[X3]
320	RCRSQ2056SCZZ	AG		B	Crystal (24.00014MHz)	[X4]
321	RCRSP0074AFZZ	AE		B	Crystal (32.768kHz)	[X6]
322	TLABP3078SCZZ	AA		D	Shading label (for EP-ROM)	
	(Unit)					
901	DCEKC086HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[TH]
	DCEKC088HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[GU]
	DCEKC084HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[SG]
	DCEKC087HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[GH]

11 TEL-Liu PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	VHVDSS401M/-1	AG	N	B	Varistor	[AR1] [TH/GU]
	VHVSR3YP600A1	AM		B	Varistor	[AR1] [SG]
	VHVT83A350/-1	AM		B	Varistor	[AR1] [GH]
2	QTANN2047SCZZ	AC		C	Terminal	[ARG]
3	QCNW-4489SCZZ	AD	N	C	Cable	[ARG1] [TH/GU]
4	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C1] [SG/GH]
5	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C2] [TH/GU]
6	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C3] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C3] [SG/GH]
7	VCEAEA1AW336M	AA		C	Capacitor (50WV 3.3μF)	[C4] [SG/GH]
8	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C5] [TH/GU]
	VCEAEA1HW106M	AA		C	Capacitor (50WV 10μF)	[C5] [SG/GH]
9	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C6] [TH/GU]
10	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C7] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C7] [SG]
	VCKYPU1HB822K	AB		C	Capacitor (50WV 8200PF)	[C7] [GH]
11	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C8] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C8] [SG/GH]
12	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C9] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C9] [SG/GH]
13	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C10] [SG/GH]
14	VCEAEA1HW334M	AA	N	C	Capacitor (50WV 0.33μF)	[C11] [TH/GU]
	VCEAEA0JW107M	AA		C	Capacitor (6.3WV 100μF)	[C11] [SG/GH]
15	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C12] [TH/GU]
16	RC-FZ2021SCZZ	AC		C	Capacitor (250WV 0.82μF)	[C13] [TH/GU]
17	VCFYJU2EA474K	AD		C	Capacitor (250WV 0.47μF)	[C14] [SG/GH]
18	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C15] [TH/GU]
19	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033μF)	[C16] [TH/GU]
20	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C17] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C17] [SG/GH]
21	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C18] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C18] [SG/GH]
22	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C19] [TH/GU/GH]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C19] [SG]
23	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C20] [TH/GU]
24	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C21] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C21] [SG/GH]
25	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C22] [TH/GU]
	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C22] [SG/GH]
26	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C23] [TH/GU]
	VCEAGA1EW107M	AB		C	Capacitor (25WV 100μF)	[C23] [SG/GH]
27	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C24] [TH/GU]
28	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C25] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C25] [SG/GH]
29	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C26] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C26] [SG/GH]
30	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C27] [TH/GU]
31	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C28] [TH/GU]
32	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033μF)	[C29] [TH/GU]
33	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C30] [TH/GU]
34	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C31] [TH/GU]
35	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C32] [TH/GU]
36	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C101] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C101] [SG/GH]
37	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C102]
38	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C103] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C103] [SG]
39	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C104] [TH/GU]
	VCKYTQ1HB123K	AC		C	Capacitor (50WV 0.012μF)	[C104] [SG]
	VCKYTQ1HB563K	AA		C	Capacitor (50WV 0.056μF)	[C104] [GH]
40	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C105] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C105] [SG/GH]
41	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C106] [TH/GU]
	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C106] [SG/GH]
42	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C107] [TH/GU]
	VCKYTV1HB562K	AA		C	Capacitor (50WV 5600PF)	[C107] [SG/GH]
43	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200pF)	[C108] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C108] [SG/GH]
44	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C109] [TH/GU]
	VCCCTV1HH221J	AA		C	Capacitor (50WV 220PF)	[C109] [SG]
	VCKYTV1HB221K	AA		C	Capacitor (50WV 220PF)	[C109] [GH]
45	VCKYTV1HB152K	AA		C	Capacitor (50WV 1500PF)	[C110] [TH/GU]
	VCKYTV1HB472K	AA		C	Capacitor (50WV 4700PF)	[C110] [SG/GH]
46	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C111] [TH/GU]
	VCKYTV1HB183K	AA		C	Capacitor (50WV 0.018μF)	[C111] [SG/GH]
47	VCKYTV1HB221K	AA		C	Capacitor (50WV 220PF)	[C112] [TH/GU]
	VCKYTQ1HB473K	AA		C	Capacitor (50WV 0.047μF)	[C112] [SG/GH]
48	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C113] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C113] [SG/GH]
49	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C114] [TH/GU]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
49	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C114] [SG/GH]
50	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C115] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C115] [SG/GH]
51	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C116]
52	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C117] [TH/GU]
	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C117] [SG/GH]
53	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C118] [TH/GU]
	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C118] [SG/GH]
54	VCKYTQ1HB103K	AA	N	C	Capacitor (50WV 0.010μF)	[C119] [TH/GU]
55	VCKYTQ1CB224K	AC	N	C	Capacitor (16WV 0.22μF)	[C120] [SG/GH]
56	VCCCTV1HH221J	AA		C	Capacitor (50WV 220PF)	[C122] [SG]
	VCKYTV1HB561K	AA		C	Capacitor (50WV 560PF)	[C122] [GH]
57	VCKYTV1HB182K	AA		C	Capacitor (50WV 1800PF)	[C123] [SG]
	VCKYTV1HB121K	AA		C	Capacitor (50WV 120PF)	[C123] [GH]
58	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C124] [SG/GH]
59	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C125] [SG/GH]
60	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[C126] [SG/GH]
61	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C127] [SG/GH]
62	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C128] [SG/GH]
63	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C131] [SG/GH]
64	VCKYTV1HB822K	AA		C	Capacitor (50WV 8200PF)	[C132] [SG/GH]
65	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C133] [SG/GH]
66	VCKYTV1HB681K	AA		C	Capacitor (50WV 680PF)	[C134] [SG/GH]
67	VCCSTV1HH511J	AB	N	C	Capacitor (50WV 510PF)	[C135] [SG]
	VCKYTV1HB182K	AA		C	Capacitor (50WV 1800PF)	[C135] [GH]
68	VCKYTV1HB392K	AA		C	Capacitor (50WV 3900PF)	[C136] [SG/GH]
69	RRLYZ0166AFZZ	AH		B	Relay (OUAZ-SS-112L)	[CML] [TH/GU]
	RRLYZ3411SCZZ	AR		B	Relay (G6GN-2D)	[CML] [SG/GH]
70	QCNCM2401SC0B	AA		B	Connector (2pin)	[CNHA2] [SG/GH]
71	QCNCM7014SC0B	AD		B	Connector (2pin)	[CNHB] [TH/GU]
72	QCNCW2436SC2F	AG	N	C	Connector (26pin)	[CNLIU] [TH/GU]
	QCNCW2436SC3B	AH	N	C	Connector (32pin)	[CNLIU] [SG/GH]
73	QJAKZ2051SCFB	AG	N	C	Jack (39-451W0-06BKA)	[CNLJ/TLJ] [SG/GH]
74	QCNCM7014SC0B	AD		B	Connector (2pin)	[CNSP]
75	VHDDSS131//-1	AA		B	Diode (DSS131)	[D1]
76	VHDDSS131//-1	AA		B	Diode (DSS131)	[D2] [TH/GU/GH]
	VRD-HT2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[D2] [SG]
77	VHDDSS131//-1	AA		B	Diode (DSS131)	[D3]
78	VHDDSS133//-1	AA		B	Diode (DSS133)	[D4] [TH/GU]
79	QCNW-4489SCZZ	AD	N	C	Cable [FG]	[SG/GH]
80	VHiTEA1062A-1	AR	N	B	IC (TEA1062A)	[IC1] [SG/GH]
81	VHiTHS65//-1A	AF		B	IC (THS-65)	[IC2] [SG/GH]
82	VHiNJM2113M-1	AG	N	B	IC (NJM2113)	[IC101] [TH/GU]
	VHiBU4053BCF1	AE	N	B	IC (BU4053)	[IC101] [SG/GH]
83	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC102] [TH/GU]
	VHiMC14051BF-	AE	N	B	IC (MC14051BF)	[IC102] [SG/GH]
84	VHiBU4066BCF1	AD	N	B	IC (BU4066)	[IC103] [TH/GU]
	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC103] [SG/GH]
85	VHiBU4053BCF1	AE	N	B	IC (BU4053)	[IC104] [TH/GU]
	VHiNJM2113M-1	AG	N	B	IC (NJM2113)	[IC104] [SG/GH]
86	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC105]
87	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC106]
88	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[JP101] [TH/GU]
89	RCiLL0145AFZZ	AF		C	Coil (L0145)	[L1] [TH/GU]
90	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L2A] [SG/GH]
91	RCiLZ2089SCZZ	AG		C	Coil (Z2089)	[L3] [TH/GU]
	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L3] [SG/GH]
92	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L4] [SG/GH]
93	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L5] [TH/GU]
	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L5] [SG/GH]
94	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L6] [TH/GU]
95	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L7] [TH/GU]
96	RCiLZ2122SCZZ	AC	N	C	Coil (Z2122)	[L8] [TH/GU]
97	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L8A] [SG/GH]
98	RCiLZ2122SCZZ	AC	N	C	Coil (Z2122)	[L9] [TH/GU]
99	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L9A] [SG/GH]
100	RCiLZ2129SCZZ	AE	N	C	Coil (Z2129)	[L11] [TH/GU]
101	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L12] [SG/GH]
102	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L13] [SG/GH]
103	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L14] [SG/GH]
104	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L15] [SG/GH]
105	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L16] [SG/GH]
106	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L17] [SG/GH]
107	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L18] [SG/GH]
108	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L19] [SG/GH]
109	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L20] [GH]
110	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L22] [SG/GH]
111	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L23] [SG/GH]
112	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L24] [SG/GH]
113	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L25] [SG/GH]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
114	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L104] [SG/GH]
115	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L111] [SG/GH]
116	QJAKZ2051SC0B	AF		C	Jack	[MJ1/2] [TH/GU]
117	QJAKZ2052SC0D	AE		C	Jack (HJC0277-010022)	[MJTEL]
118	VHPPC814///-1	AE		B	Photo coupler (PC814)	[PC1] [TH/GU]
119	VHPTLP627//-1	AH		B	Photo coupler (TLP627)	[PC2] [TH/GU]
	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC2] [SG/GH]
120	VHPPC817CD/-1	AC		B	Photo coupler (PC817CD)	[PC3] [TH/GU]
121	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC4] [SG/GH]
122	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC5] [SG/GH]
123	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC6] [SG/GH]
124	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC7] [SG/GH]
125	VS2SA1727//-1	AE		B	Transistor (2SA1727)	[Q3] [SG/GH]
126	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q101]
127	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q102] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q102] [SG/GH]
128	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q103] [TH/GU]
129	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q104] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q104] [SG/GH]
130	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q105] [TH/GU]
	VS2SA1037KR-1	AB		B	Transistor (2SA1037KR)	[Q105] [SG/GH]
131	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q106]
132	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q107] [TH/GU]
	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q107] [SG/GH]
133	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q108] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q108] [SG/GH]
134	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q109] [SG/GH]
135	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q110] [SG/GH]
136	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q111] [SG/GH]
137	VS2SC4061K/-1	AC		B	Transistor (2SC4061K)	[Q112] [SG/GH]
138	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q117] [SG/GH]
139	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q118] [SG/GH]
140	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q119] [SG/GH]
141	VRD-HT2EY910J	AA		C	Resistor (1/4W 91Ω ±5%)	[R1] [TH/GU]
	VRD-HT2HY430J	AA		C	Resistor (1/2W 43Ω ±5%)	[R1] [SG/GH]
142	VRD-HT2EY300J	AA		C	Resistor (1/4W 30Ω ±5%)	[R2] [TH/GU]
	VRD-HT2HY200J	AA		C	Resistor (1/2W 20Ω ±5%)	[R2] [SG]
	VRD-HT2HY270J	AA		C	Resistor (1/2W 27Ω ±5%)	[R2] [GH]
143	VRD-HT2HY101J	AA		C	Resistor (1/2W 100Ω ±5%)	[R3] [TH/GU]
144	VRD-HT2HY223J	AA		C	Resistor (1/2W 22KΩ ±5%)	[R5] [TH/GU]
145	VRD-HT2EY243J	AA		C	Resistor (1/4W 24KΩ ±5%)	[R6] [TH/GU]
146	VRS-HT3AA333J	AA		C	Resistor (1W 33KΩ ±5%)	[R8] [SG/GH]
147	VRD-HT2HY513J	AA	N	C	Resistor (1/2W 51KΩ ±5%)	[R10] [SG/GH]
148	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R101] [TH/GU]
149	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R102] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R102] [SG/GH]
150	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R103] [TH/GU]
151	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R104] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R104] [SG/GH]
152	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R105] [TH/GU]
	VRS-TS2AD363J	AA		C	Resistor (1/10W 36KΩ ±5%)	[R105] [SG]
	VRS-TS2AD433J	AA		C	Resistor (1/10W 43KΩ ±5%)	[R105] [GH]
153	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R106] [TH/GU]
	VRS-TS2AD681J	AA		C	Resistor (1/10W 680Ω ±5%)	[R106] [SG/GH]
154	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R107] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R107] [SG/GH]
155	VRS-TS2AD113J	AA	N	C	Resistor (1/10W 11KΩ ±5%)	[R108] [TH/GU]
156	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R109] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R109] [SG/GH]
157	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R110] [TH/GU]
	VRS-TS2AD184J	AA		C	Resistor (1/10W 180KΩ ±5%)	[R110] [SG]
	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R110] [GH]
158	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R111] [TH/GU]
	VRS-TS2AD183J	AA		C	Resistor (1/10W 18KΩ ±5%)	[R111] [SG/GH]
159	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R112] [TH/GU]
	VRSTS2AD3651F	AA		C	Resistor (1/10W 3.65KΩ ±1%)	[R112] [SG/GH]
160	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R113] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R113] [SG/GH]
161	VRS-TS2AD122J	AA		C	Resistor (1/10W 1.2KΩ ±5%)	[R114] [SG/GH]
162	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R115] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R115] [SG/GH]
163	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R116] [TH/GU]
	VRS-TS2AD301J	AA		C	Resistor (1/10W 300Ω ±5%)	[R116] [SG/GH]
164	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R117] [TH/GU]
	VRS-TS2AD512J	AA		C	Resistor (1/10W 5.1KΩ ±5%)	[R117] [SG/GH]
165	VRS-TP2BD221J	AB		C	Resistor (1/8W 220Ω ±5%)	[R118] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R118] [SG/GH]
166	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R119] [TH/GU]
	VRS-TS2AD100J	AA		C	Resistor (1/10W 10.0Ω ±5%)	[R119] [SG/GH]
167	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R120] [TH/GU]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
168	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R121] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R121] [SG/GH]
169	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R122] [TH/GU]
	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R122] [SG]
	VRS-TS2AD243J	AA		C	Resistor (1/10W 24KΩ ±5%)	[R122] [GH]
170	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R123] [SG]
	VRS-TS2AD243J	AA		C	Resistor (1/10W 24KΩ ±5%)	[R123] [GH]
171	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R124] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R124] [SG/GH]
172	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R125] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R125] [SG/GH]
173	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R126] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R126] [SG]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R126] [GH]
174	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R127]
175	VRS-TS2AD124J	AA		C	Resistor (1/10W 120KΩ ±5%)	[R128] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R128] [SG/GH]
176	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R129] [TH/GU]
	VRS-TS2AD393J	AA		C	Resistor (1/10W 39KΩ ±5%)	[R129] [SG/GH]
177	VRS-TS2AD681J	AA		C	Resistor (1/10W 680Ω ±5%)	[R130] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R130] [SG/GH]
178	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R131] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R131] [SG/GH]
179	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R132]
180	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R133] [TH/GU]
	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R133] [SG/GH]
181	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R134]
182	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R135] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R135] [SG/GH]
183	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R136] [TH/GU]
184	VRS-TS2AD751J	AA		C	Resistor (1/10W 750Ω ±5%)	[R137] [TH/GU]
185	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R138] [TH/GU]
	VRS-TS2AD391J	AA		C	Resistor (1/10W 390Ω ±5%)	[R138] [SG]
	VRS-TS2AD241J	AA		C	Resistor (1/10W 240Ω ±5%)	[R138] [GH]
186	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R139] [TH/GU]
	VRS-TS2AD182J	AA		C	Resistor (1/10W 1.8KΩ ±5%)	[R139] [SG]
	VRS-TS2AD241J	AA		C	Resistor (1/10W 240Ω ±5%)	[R139] [GH]
187	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R140] [TH/GU]
	VRS-TS2AD392J	AA		C	Resistor (1/10W 3.9KΩ ±5%)	[R140] [SG/GH]
188	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R141] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R141] [SG/GH]
189	VRS-TS2AD513J	AA		C	Resistor (1/10W 51KΩ ±5%)	[R142] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R142] [SG/GH]
190	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R143] [TH/GU]
	VRS-TS2AD134J	AA		C	Resistor (1/10W 130KΩ ±5%)	[R143] [SG/GH]
191	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R144] [TH/GU]
192	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R145] [TH/GU]
	VRS-TS2AD683J	AA		C	Resistor (1/10W 68KΩ ±5%)	[R145] [SG/GH]
193	VRS-TS2AD222J	AA		C	Resistor (1/10W 2.2KΩ ±5%)	[R146] [TH/GU]
	VRS-TS2AD683J	AA		C	Resistor (1/10W 68KΩ ±5%)	[R146] [SG/GH]
194	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R147] [TH/GU]
	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R147] [SG/GH]
195	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R148] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R148] [SG/GH]
196	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R149]
197	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R150] [TH/GU]
	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R150] [SG/GH]
198	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R151] [TH/GU]
	VRS-TS2AD224J	AA		C	Resistor (1/10W 220KΩ ±5%)	[R151] [SG/GH]
199	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R152] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R152] [SG/GH]
200	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R153] [TH/GU]
201	VRS-TS2AD822J	AA		C	Resistor (1/10W 8.2KΩ ±5%)	[R154] [TH/GU]
202	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R155] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R155] [SG/GH]
203	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R156] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R156] [SG/GH]
204	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R157] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R157] [SG]
	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R157] [GH]
205	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R158] [TH/GU]
	VRS-TS2AD913J	AA		C	Resistor (1/10W 91KΩ ±5%)	[R158] [SG]
	VRS-TS2AD823J	AA		C	Resistor (1/10W 82KΩ ±5%)	[R158] [GH]
206	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R159] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R159]
207	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R160] [SG]
	VRS-TS2AD163J	AA		C	Resistor (1/10W 16KΩ ±5%)	[R160] [GH]
208	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R161] [SG/GH]
209	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R162] [SG/GH]
210	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R163] [SG/GH]

11 TEL-Liu PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
211	VRS-TS2AD364J	AA		C	Resistor (1/10W 360KΩ ±5%)	[R164] [SG/GH]
212	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R165] [SG/GH]
213	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R167] [SG/GH]
214	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R170] [SG/GH]
215	VRS-TS2AD124J	AA		C	Resistor (1/10W 120KΩ ±5%)	[R171] [SG/GH]
216	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R172] [SG/GH]
217	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R173] [SG/GH]
218	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R174] [SG/GH]
219	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R175] [SG/GH]
220	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R178] [SG/GH]
221	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R179] [SG/GH]
222	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R180] [SG/GH]
223	VRS-TS2AD622J	AA		C	Resistor (1/10W 6.2KΩ ±5%)	[R181] [SG/GH]
224	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R182] [SG]
	VRS-TS2AD133J	AA		C	Resistor (1/10W 13KΩ ±5%)	[R182] [GH]
225	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R183] [SG/GH]
226	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R184] [SG/GH]
227	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R185] [SG/GH]
228	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R186] [SG/GH]
229	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R187] [SG/GH]
230	VRS-TS2AD473J	AA		C	Resistor (1/10W 47KΩ ±5%)	[R189] [SG/GH]
231	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R190] [SG/GH]
232	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R191] [SG/GH]
233	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R193] [SG/GH]
234	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R194] [SG/GH]
235	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R195] [SG/GH]
236	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R196] [SG/GH]
237	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R198] [SG/GH]
238	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R199] [SG/GH]
239	RH-DX2007SCZZ	AC		B	Bridge diode (S1ZB60)	[REC1] [SG/GH]
240	RH-DX2007SCZZ	AC		B	Bridge diode (S1ZB60)	[RE1] [TH/GU]
241	QSW-S2166SC03	AC		B	Slide switch (HSW-1071-01-200)	[SW1] [TH/GU]
242	QSW-S2166SC03	AC		B	Slide switch (HSW-1071-01-200)	[SW2] [TH/GU]
243	RTRNZ2128XHZZ	AS		B	Transformer (600Ω)	[T1] [TH/GU]
	RTRNZ2140XHZZ	AN		B	Transformer	[T1] [SG/GH]
244	RTRNi2142XHZZ	AR		B	Transformer	[T2] [SG/GH]
245	VHVTN07G471-1	AB	N	B	Varistor (TNR7G471KT2)	[VA1] [TH/GU]
246	VHVTN07G471-1	AB	N	B	Varistor (TNR7G471KT2)	[VA2] [TH/GU]
	VHVTN07G101-1	AB		B	Varistor (TNR7G101KT2)	[VA2] [SG]
	VHVTN07G271-1	AC		B	Varistor (TNR07G271)	[VA2] [GH]
247	RVR-Q1402QCZZ	AD		B	Variable resistor (RS10M11AJ)	[VR1] [TH/GU]
248	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD1] [TH/GU]
	VHEHZ11A3///-1	AB	N	B	Zener diode (HZ11A3-TA)	[ZD1] [SG]
	VHEHZ9A2///-1	AB		B	Zener diode (HZ9A2-TA)	[ZD1] [GH]
249	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD2] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD2] [SG/GH]
250	VHEHZ6A3///-1	AC	N	B	Zener diode (HZ6A3-TA)	[ZD3] [SG/GH]
251	VHEHZ27-1//-1	AB	N	B	Zener diode (HZ27C-1TA)	[ZD4] [TH/GU]
252	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD5] [TH/GU]
253	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD6] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD6] [SG/GH]
254	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD7] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD7] [SG/GH]
255	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD8] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD8] [SG/GH]
256	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD9] [SG/GH]
257	VHEHZ15-2//-1	AB	N	B	Zener diode (HZ15-2-TA)	[ZD10] [SG/GH]
258	VHEHZ24-2//-1	AB	N	B	Zener diode (HZ24-2-TA)	[ZD11] [SG]
	VHEHZ36-3//-1	AD		B	Zener diode (HZ36-3-TA)	[ZD11] [GH]
259	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD12] [SG/GH]
260	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD13] [SG/GH]
300	QCNW-4426SCZZ	AD	N	C	Cable	[CNHA] [TH/GU]
	QCNW-4426SCZZ	AD	N	C	Cable	[CNHA1] [SG/GH]
301	QSW-Z2206SCZZ	AH		B	Hook switch	[RHS] [TH/GU]
	QSW-Z2206SCZZ	AH		B	Hook switch	[SW1] [SG/GH]
	(Unit)					
901	DCEKL436ASC02	BN	N	E	TEL-Liu PWB unit	[TH/GU]
	DCEKL436ASC03	BN	N	E	TEL-Liu PWB unit	[TH/GU]
	DCEKL459ASC19	BN	N	E	TEL-Liu PWB unit	[SG]
	DCEKL459ASC20	BN	N	E	TEL-Liu PWB unit	[GH]
902	DCEKF459ASC02	AU	N	E	Hook switch PWB unit (No.300, 301)	

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QTANN2046SCZZ	AC		C	Terminal (M1925)	[BIASS]

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
2	RMPTC8103QCKB	AD		B	Block resistor (10KΩ×8 1/8W ±10%)	[BR301]
3	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C301]
4	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C302]
5	RC-GZA476AF1A	AC		C	Capacitor (10WV 47μF)	[C303]
6	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C304]
7	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C305]
8	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C306]
9	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C307]
10	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C308]
11	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C309]
12	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C310]
13	VCCCPU1HH270J	AA		C	Capacitor (25WV 27PF)	[C311]
14	VCCCPU1HH270J	AA		C	Capacitor (25WV 27PF)	[C312]
15	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C313]
16	RC-GZA475AF1E	AC		C	Capacitor (25WV 4.7μF)	[C314]
17	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C315]
18	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C316]
19	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C317]
20	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C318]
21	RC-GZA476AF1A	AC		C	Capacitor (10WV 47μF)	[C319]
22	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C320]
23	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C321]
24	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C323]
26	VCKYQY3DB151K	AC	N	C	Capacitor (2000WV 150PF)	[C401]
27	VCKYQY3FB102K	AD	N	C	Capacitor (3150WV 1000PF)	[C402]
28	VCKYQY3AB102K	AC	N	C	Capacitor (1000WV 1000PF)	[C403]
29	VCQYNA1HM222K	AA		C	Capacitor (50WV 2200PF)	[C404]
30	VCQYNA1HM472K	AA	N	C	Capacitor (50WV 4700PF)	[C405]
31	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C406]
32	RC-GZA475AF1E	AC		C	Capacitor (25WV 4.7μF)	[C407]
33	VCQYNA1HM153K	AB		C	Capacitor (50WV 0.015μF)	[C408]
34	VCFYJU2EA153K	AD	N	C	Capacitor (250WV 0.015μF)	[C409]
36	VCQYNA1HM472K	AA	N	C	Capacitor (50WV 4700PF)	[C411]
37	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C412]
38	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C413]
39	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C414]
41	QCNCW0053GCZZ	AD	N	C	Connector (9pin)	[CN301]
42	QCNCM7014SC0B	AD		C	Connector (2pin)	[CN302]
43	QCNCM2473SC0D	AC	N	C	Connector (4pin)	[CN303]
44	QCNCM704BAFZZ	AB	N	C	Connector (2pin)	[CN304]
45	QCNCM894MAFZZ	AG	N	C	Connector (12pin)	[CN305A]
46	QCNCM894KAFZZ	AF	N	C	Connector (10pin)	[CN305B]
47	QCNCM7014SC0E	AB		C	Connector (5pin)	[CN307]
48	QCNW-4490SCZZ	AF	N	C	Cable (3pin)	[CN308]
49	QCNCM2401SC0C	AB		C	Connector (3pin)	[CN309]
50	QCNCM768EAFZZ	AC	N	C	Connector (5pin)	[CN310/311]
51	QCNCM886PAFZZ	AF	N	C	Connector (14pin)	[CNPW]
52	VHDDSS133//-1	AA		B	Diode (DSS133)	[D301]
53	VHDSHV03///-1	AE		B	Diode (SHV03)	[D401]
54	VHDSHV03///-1	AE		B	Diode (SHV03)	[D402]
55	VHDSHV02///-1	AD		B	Diode (SHV02)	[D403]
56	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D404]
57	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D406]
58	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D407]
59	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D408]
61	QTANN2046SCZZ	AC		C	Terminal (M1925)	[DE]
62	QTANN2046SCZZ	AC		C	Terminal (M1925)	[FG]
63	QCNW-4478SCZZ	AC	N	C	Cable	[HJP1]
64	QCNW-4499SCZZ	AC	N	C	Cable	[HJP3]
65	VHiTA7291S/-1	AF		B	IC (TA7291S)	[IC301]
66	VHiTA7291S/-1	AF		B	IC (TA7291S)	[IC302]
67	VHiULN2003AN/	AE		B	IC (ULN2003ANS)	[IC303]
68	VHiT377P33C53	BC	N	B	IC (T377P33C53)	[IC304]
69	VHiMC74HC10-1	AE	N	B	IC (MC74HC10)	[IC305]
⚠ 70	VHViCPN25//-1	AD	N	B	IC protector (ICP-N25)	[ICP301]
71	RCiLZ2128SCZZ	AF	N	C	Coil (Z2128)	[L301]
72	RCiLZ2128SCZZ	AF	N	C	Coil (Z2128)	[L302]
73	QTANN2046SCZZ	AC		C	Terminal (M1925)	[MC]
74	VHPGP1S53V/-1	AE		B	Photo interruptor (GP1S53V)	[PD301]
75	VHPGP1S53V/-1	AE		B	Photo interruptor (GP1S53V)	[PD302]
76	VS2SA673-//-1	AD	N	B	Transistor (2SA673CTZ)	[Q301]
77	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q302]
78	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q303]
79	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q401]
80	VS2SC4883-/-1	AF	N	B	Transistor (2SC4883-Y)	[Q402]
81	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q403]
82	VS2SC4883-/-1	AF	N	B	Transistor (2SC4883-Y)	[Q405]
83	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q406]
84	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q407]
85	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q408]

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
86	VRNHT2EK1002F	AA		C	Resistor (1/4W 10.0KΩ ±1%)	[R1]
87	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R301]
88	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R302]
89	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R303]
90	VRD-HT2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)	[R304]
91	VRNHT2EK1502F	AA	N	C	Resistor (1/4W 15.0KΩ ±1%)	[R308]
92	VRD-HT2EY822J	AA		C	Resistor (1/4W 8.2KΩ ±5%)	[R309]
93	VRD-HT2EY392J	AA		C	Resistor (1/4W 3.9KΩ ±5%)	[R310]
94	VRD-HT2HY910J	AA	N	C	Resistor (1/2W 91Ω ±5%)	[R311]
95	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R312]
96	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R313]
97	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R314]
98	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R315]
99	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R316]
100	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R317]
101	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R318]
102	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R319]
103	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R320]
104	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R322]
105	VRD-HT2EY471J	AA		C	Resistor (1/4W 470Ω ±5%)	[R326]
106	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R327]
107	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R328]
108	VRD-HT2EY681J	AA		C	Resistor (1/4W 680Ω ±5%)	[R329]
109	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R331]
110	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R336]
111	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R337]
112	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R338]
113	VRD-HT2EY100J	AA	N	C	Resistor (1/4W 10Ω ±5%)	[R339]
114	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R341]
115	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R342]
117	VRHDPT3AF395J	AD	N	C	Resistor (1W 3.9MΩ ±5%)	[R402]
118	VRHDPT3AF825J	AD	N	C	Resistor (1W 8.2MΩ ±5%)	[R403]
119	VRH-PT2HF395J	AC	N	C	Resistor (1/2W 3.9MΩ ±5%)	[R405]
120	VRD-HT2EY364J	AA		C	Resistor (1/4W 360KΩ ±5%)	[R408]
121	VRD-HT2EY754J	AA	N	C	Resistor (1/4W 750KΩ ±5%)	[R409]
122	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R410]
123	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R411]
124	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R412]
125	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R413]
126	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R414]
127	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R415]
128	VRD-HT2EY620J	AA	N	C	Resistor (1/4W 62Ω ±5%)	[R416]
129	VRNHT2EK1102F	AA	N	C	Resistor (1/4W 11.0KΩ ±1%)	[R417]
130	VRD-HT2HY3R0J	AB	N	C	Resistor (1/2W 3.0Ω ±5%)	[R418]
131	VRD-HT2EY153J	AA		C	Resistor (1/4W 15KΩ ±5%)	[R419]
132	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R420]
133	VRD-HT2EY620J	AA	N	C	Resistor (1/4W 62Ω ±5%)	[R421]
134	VRD-HT2HY3R0J	AB	N	C	Resistor (1/2W 3.0Ω ±5%)	[R422]
135	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R423]
136	VRD-HT2EY153J	AA		C	Resistor (1/4W 15KΩ ±5%)	[R424]
137	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R425]
138	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R426]
139	VRD-HT2EY104J	AA		C	Resistor (1/4W 100KΩ ±5%)	[R428]
140	VRHVKU2HD257M	AG	N	C	Resistor (1/2W 250MΩ ±20%)	[R429]
141	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R430]
142	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R431]
143	RTRNZ0011GCZZ	AL	N	B	Transformer (TEI-16S)	[T401]
144	RTRNZ0012GCZZ	AL	N	B	Transformer (TEI-16S2)	[T402]
145	QTANN2046SCZZ	AC		C	Terminal (M1925)	[TC]
146	VHH103AT-2B-1	AF	N	B	Thermistor (103AT-2B)	[TH1]
147	RVR-M0586AFZZ	AC	N	B	Variable resistor	[VR301]
148	RCRSZ0017GCZZ	AH	N	B	Crystal (14.513385MHz)	[X301]
149	VHERD3.9EB2-1	AB	N	B	Zener diode (RD3.9EB2)	[ZD301]
150	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD302]
151	VHERD30JSAB21	AC	N	B	Zener diode (RD30JSAB2)	[ZD401]
152	VHERD30JSAB21	AC	N	B	Zener diode (RD30JSAB2)	[ZD402]
153	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD403]
154	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD404]
155	VHE1ZB200Y/-1	AF	N	B	Zener diode (1ZB200Y)	[ZD405]
156	VHE1ZB300X/-1	AF	N	B	Zener diode (1ZB300X)	[ZD406]
	(Unit)					
901	DCEKK437ASC02	BQ	N	E	PCU PWB unit	

13 Power supply PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0CB829650007/	BD	N	B	Transformer (PT-P86-KTT)	[T1]
2	0CBUKZ0578ZZ/	AH		C	Filter (PLAA2230R4R01B1)	[L1,2]
3	0CBUKZ0703ZZ/	AP		C	Coil (SK-10M-5Y)	[L3]
4	0CBBFZ89154Z/	AC		C	Ferrite core (BL01RN1-A62B1)	[FB1]
5	0CBUCB0140AZ/	AP	N	B	IC (PQ05RH1)	[IC1]
6	0CBUAG0139CZ/	AQ	N	B	FET (2SK2483)	[Q1]
7	0CBUAC0056BZ/	AD		B	Transistor (2SC2002-L)	[Q2]
8	0CBUAC0098EZ/	AK		B	Transistor (2SC3518-K)	[Q3]
9	0CBUAC0004DZ/	AC		B	Transistor (2SC945-PA)	[Q4]
10	0CBUBB0136DZ/	AN		B	Diode (D3SB60)	[D1]
11	0CBUBC0220BZ/	AD		B	Diode (1NU41)	[D2]
12	VHD1N4148//-1	AA		B	Diode (1SS55)	[D3,7,8]
13	0CBUBC0157AZ/	AH		B	Diode (21DQ04)	[D4]
14	0CBUBC0099BK/	AE	N	B	Diode (11DQ04-TA2B2)	[D5]
15	0CBUBB0166BB/	AK		B	Diode (F10P20F-L)	[D6]
16	0CBUDA0082ZZ/	AP	N	B	Triac (SM8JZ47)	[TRC1]
17	0CBUBDAC270A/	AD	N	B	Zener diode (RD27ESAB)	[ZD1]
18	0CBUBDAC3R3C/	AD		B	Zener diode (RD3.3ESAB2)	[ZD2]
19	0CBUBDAC6R2A/	AD	N	B	Zener diode (RD6.2ESAB)	[ZD3]
20	0CBUBDCC150B/	AE		B	Zener diode (RD15FB1-8M)	[ZD4]
21	0CBUBDBM110C/	AF		B	Zener diode (RD11FB2-T7)	[ZD5]
22	0CBUDC0139AZ/	AN		B	Photo coupler (PC113Y11)	[PC1]
23	0CBUDC0162ZZ/	AN		B	Photo coupler (S21ME4FY)	[PC2]
24	0CBUEFC564BA/	AC		C	Resistor (SFR25H560K)	[R1]
25	0CBUEGER27AS/	AG	N	C	Resistor (RGC2T 0.27Ω J)	[R2]
26	0CBUEEB474CT/	AC	N	C	Resistor (RD16S-T26-474J)	[R3,4]
27	0CBUEFE823CG/	AC		C	Resistor (RSS2 823J)	[R5,20]
28	0CBUEEB183CT/	AC		C	Resistor (RD16S-T26-183J)	[R6]
29	0CBUEEB471CT/	AC		C	Resistor (RD16S-T26-471J)	[R7]
30	0CBUEFE391CE/	AD		C	Resistor (RSS2 T52 391J)	[R8]
31	0CBUEEB330CW/	AC		C	Resistor (RDF16S-T26-330J)	[R9]
32	0CBUEEC471BS/	AC	N	C	Resistor (RDF50SS-T26-471J)	[R10]
33	0CBUEEC100BS/	AC	N	C	Resistor (RDF50SS-T26-100J)	[R11]
34	0CBUEEB101CW/	AC	N	C	Resistor (RDF16S-T26-101J)	[R12,13]
35	0CBUEEB222CT/	AC		C	Resistor (RD16S-T26-222J)	[R14]
36	0CBUEEB181CT/	AC	N	C	Resistor (RD16S-T26-181J)	[R15]
37	0CBUEEB562CT/	AC	N	C	Resistor (RD16S-T26-562J)	[R16]
38	0CBUEEB682CT/	AC		C	Resistor (RD16S-T26-682J)	[R17]
39	0CBUEEC122BS/	AC	N	C	Resistor (RDF50SS-T26-122J)	[R19]
40	0CBUFBA102DH/	AC		B	Variable resistor (KVSF637T TB102)	[VR1]
41	0CBUGZ0985ZZ/	AF	N	C	Capacitor (2222 336 20224)	[C1,2]
42	0CBUGCZ222CK/	AF		C	Capacitor (DE1410-1E222MACT4K-KD)	[C3,4]
43	0CBUGCM222AU/	AD	N	C	Capacitor (DE7100-1F222MVA1-H)	[C5,6]
44	0CBUGZ0945ZZ/	AQ		C	Capacitor (LGE2G820MHSESF)	[C7]
45	0CBUGCU331BQ/	AD	N	C	Capacitor (DE0705-1R331K1K-MHR)	[C8]
46	0CBUGCU103BC/	AD		C	Capacitor (DE1307-1E103Z1K)	[C9]
47	0CBUGFF103AR/	AC		C	Capacitor (AMZ-103K50)	[C10]
48	0CBUGFF473AR/	AB		C	Capacitor (AMZ-473K50)	[C11,15]
49	0CBUGFF102ARX	AC	N	C	Capacitor (AMZ-102K50)	[C13]
50	0CBUGFM103HW/	AF	N	C	Capacitor (ECQ-E2A103MWB)	[C14]
51	0CBUGAC122GK/	AG		C	Capacitor (UPL1C122MHH1AA)	[C16]
52	0CBUGAD221HD/	AE		C	Capacitor (UVZ1E221MPH1AA)	[C17]
53	0CBUGAD471GK/	AG		C	Capacitor (UPL1E471MPH1AA)	[C18]
54	0CBUGCS222AP/	AC		C	Capacitor (DD08-63E222P500)	[C20]
55	0CBUGAC821LC/	AH	N	C	Capacitor (UPL1C821MPH6AA)	[C21,22]
56	0CBUGCZ332CK/	AG	N	C	Capacitor (DE1610-1E332MACT4K-KD)	[C24]
57	0CBUGFF222AR/	AB		C	Capacitor (AMZ-222K50)	[C25]
58	0CBPHZ0160ZZ/	AU	N	B	Relay (G2R-1A-SKDV 12V)	[RY1]
59	0CBUEZ0524ZZ/	AD	N	B	Varistor (JVR7N471K-S)	[V1]
60	0CBUZZ0100ZZ/	AH		B	Varistor (AG-10PC702R-L3N)	[V2]
61	0CBPJCZZ0058/	AH		A	Current fuse (19181 5.0A 250V)	[F1]
62	0CBPJCZZ0037/	AG		A	Current fuse (19181 1.25A)	[F2,3]
63	0CBPJT0153ZZ/	AE		A	Thermal cutoff (EYP2BH115FF)	[F4]
64	0CBPZZ0831ZZ/	AB		C	Fuse clip (H0462)	[FH1]
65	0CBUEZ0530ZZ/	AG	N	B	Thermistor (S160K08D315JIZ00)	[TH1]
66	0CBPFZ0273ZZ/	AN		B	Switch (1858 4205)	[SW1]
67	0CBPKZ0194ZZ/	AC		C	Base post assy (B2P3-VH)	[CN1]
68	0CBPKZ1123ZZ/	AH		C	Base pin (14R-FJ)	[CN2]
69	0CBPCZ0160ZZ/	AE		C	Connector (M1698)	[CN3-1]
70	0CBPZZ0739ZZ/	AE		C	Bush (M1773)	[CN3-2]
71	0CBPKZ1147ZZ/	AG		C	Base post assy (B02P-XL-HDB)	[CN4]
72	0CBPKZ1146ZZ/	AD		C	Housing (S 2P-VH)	[CN5]
73	0CBPKZ0541ZZ/	AD	N	C	Housing (B 3B-PH-K-S)	[CN6]
75	0CBLRH0366ZR/	AH		C	Heat sink (W4001-5001A AL)	[MT1]
76	0CBLRH0367ZR/	AH		C	Heat sink (W4001-5002A AL)	[MT2]
77	0CBLRZ1167ZQ/	AL		C	Angle (W4001-5003A EZS)	[MT3]
	(Unit)					
⚠ 901	RDENT2092XHZZ	BS	N	E	Power supply PWB unit	

14 CCD PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	VCEAJA1EW226M	AB		C	Capacitor (25WV 22μF)	[C1]
2	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C2]
3	QCNW-4420SCZZ	AG	N	C	Cable	[CN1]
4	VHiTCD1206UP1	AX		B	IC (TCD1206SUP)	[IC1]
5	VS2SC2412KS-1	AB	N	B	Transistor (2SC2412-K)	[Q1]
6	VRS-TP2BD222J	AA		C	Resistor (1/8W 2.2KΩ ±5%)	[R1]
7	VRS-TP2BD390J	AA		C	Resistor (1/8W 39Ω ±5%)	[R2]
8	PSHEZ3128SCZZ	AB	N	C	CCD sheet	
	(Unit)					
901	DCEKD333ASC02	BG	N	E	CCD PWB unit	

50 Hardware parts

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
B2	XEBSD30P10000	AA		C	Screw (M3×10)
B3	XEBSE30P10000	AA		C	Screw (M3×10)
B4	XEPSD30P06X00	AA		C	Screw (3×6X)
B5	XHBSD30P06000	AA		C	Screw (3×6)
B6	XHBSE30P08000	AA		C	Screw (M3×8)
B7	XJPSD23P12000	AA	N	C	Screw (M2.3×12)
B8	XEBSD30P08000	AA		C	Screw (M3×8)
B9	LX-BZ2182SCZZ	AB		C	Screw
B10	XJPSD30P04000	AA		C	Screw (3×4)
B11	XUBSD20P06000	AA		C	Screw (2×6)
B12	XUBSD30P06000	AA		C	Screw (3×6)
B13	XEBSF30P06000	AA		C	Screw (M3×6)
B14	XEBSE26P08000	AA	N	C	Screw (2.6×8)
B15	XBPSD40P08K00	AA		C	Screw (M4×8K)
B16	XBPSE30P06K00	AA		C	Screw (3×6K)
B17	XEBSD20P06000	AA		C	Screw (2×6)
B18	XBPSE30P12K00	AA	N	C	Screw (3×12)
B19	XBPSE30P08K00	AA		C	Screw (3×8K)

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
〔C〕				
CCNW-4422SC01	1- 1	AL	N	C
CCNW-4423SC01	1- 2	AK	N	C
CFRM-0029GC80	6- 501	BU	N	E
CPLTP2748SC04	9- 1	AS	N	C
CPNLC2360SC57	1- 74	BN	N	E
//	2- 901	BN	N	E
CRÖLP2320SC01	1- 77	AL	N	C
〔D〕				
DCEKC084HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC086HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC087HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC088HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKD333ASC02	3- 1	BG	N	E
//	14- 901	BG	N	E
DCEKF459ASC02	1- 98	AU	N	C
//	11-902	AU	N	E
DCEKK437ASC02	1- 64	BQ	N	E
//	12- 901	BQ	N	E
DCEKL436ASC02	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL436ASC03	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL459ASC19	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL459ASC20	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKP434ASC01	2- 1	BC	N	E
DUNTK4925XHW2	9- 6	AY		E
DUNTW0100GC13	8- 901	BG	N	E
〔G〕				
GCABA2261SCZB	1- 3	AV	N	D
GCABB2262SCZB	1- 79	AT	N	D
GCABC2263SCZC	1- 4	AZ	N	D
GCABC2263SCZD	1- 4	AZ	N	D
GCASP2072SCZE	2- 2	AU	N	D
GDAi-2072SCZB	1- 22	AN	N	C
GLEGG2026SCZZ	1- 66	AA		C
〔H〕				
HPNLC2360SCZB	2- 14	AG	N	C
〔J〕				
JBTN-2151SCZZ	2- 3	AE	N	C
JBTN-2152SCZB	2- 4	AD	N	C
JBTN-2153SCZZ	2- 5	AD	N	C
JBTN-2154SCZB	2- 6	AK	N	C
JBTN-2155SCZB	2- 7	AE	N	C
JBTN-2156SCZB	2- 8	AD	N	C
JKNBP2068SCZB	2- 9	AD	N	C
JKNBZ0004GCZZ	8- 2	AC		C
〔L〕				
LANGF2805SCZZ	1- 5	AE	N	C
LBNDJ2006SCZZ	1- 67	AA		C
LBNDJ2007SCZZ	1- 93	AA		C
LBNDJ2009SCZZ	1- 80	AA		C
LBÖSZ0058GCZZ	6- 14	AE		C
LBSHP2066SCZZ	1- 6	AC	N	C
LBSHP2067SCZZ	1- 7	AC	N	C
LFiX-0003GCZZ	6- 9	AC		C
LFRM-0027GCZZ	7- 11	AX		C
LFRM-2147XHYA	3- 2	AV		C
LPLTG2707SCZZ	1- 38	AE		C
LPLTM0027GCZZ	7- 20	AC	N	C
LPLTM0159GCZZ	4- 15	AD		C
LPLTM0163GCZZ	7- 16	AE		C
LPLTM2745SCZZ	1- 68	AV	N	C
LPLTM2752SCZZ	1- 57	AC	N	C
LPLTP0162GCZ1	7- 10	AD	N	C
LPLTP2703XHZZ	1- 39	AC		C
LPLTP2746SCZZ	1- 58	AH	N	C
LPLTP2747SCZZ	1- 55	AL	N	C
LPLTP2750SCZZ	9- 3	AN	N	C
LPLTP2751SCZZ	9- 4	AH	N	C
LPLTP2773SCZZ	9- 5	AG	N	C
LSÖU-0007GCZ1	5- 1	AQ	N	C
LSUPP0006GCZZ	4- 41	AD		C
LX-BZ0187FCZZ	6- 26	AA	N	C
LX-BZ2182SCZZ	50-B9	AB		C
LX-UZ3006NCZZ	4- 33	AA		C
LX-WZ0044FCZZ	7- 8	AA		C
LX-WZ1013HCZZ	4- 44	AA		C
LX-WZ2021SCZZ	4- 45	AA		C
〔M〕				
MLEVP0037GCZZ	4- 19	AB		C
MLEVP0038GCZZ	7- 6	AC		C
MLEVP0039GCZZ	7- 19	AC		C
MLEVP0040GCZZ	7- 24	AC		C
MLEVP0041GCZZ	4- 9	AC		C
MLEVP0042GCZZ	6- 3	AC		C
MLEVP0043GCZ1	5- 2	AF	N	C
MLEVP0045GCZZ	7- 25	AC		C
MLEVP0046GCZZ	6- 5	AE		C
MLEVP2195SCZZ	1- 8	AD	N	C
MLEVP2196SCZZ	1- 9	AD	N	C
MLEVP2197SCZZ	1- 40	AH	N	C
MLEVP2198SCZB	1- 23	AD	N	C
MSPRC0132GCZ2	7- 28	AC	N	C
MSPRC0133GCZ1	7- 27	AC	N	C
MSPRC0134GCZZ	7- 29	AD		C
MSPRC0135GCZZ	4- 23	AB		C
MSPRC0139GCZZ	4- 8	AC		C
MSPRC0142GCZ1	7- 5	AB	N	C
MSPRC0143GCZ1	4- 32	AA	N	C
MSPRC0155GCZ1	7- 4	AB	N	C
MSPRC0159GCZZ	6- 8	AC	N	C
//	6- 17	AC		C
MSPRC0224GCZZ	6- 19	AB	N	C
MSPRC2692SCZZ	1- 41	AB	N	C
MSPRC2791SCZZ	1- 42	AC	N	C
MSPRC2796SCZZ	2- 10	AC	N	C
MSPRC2798SCZZ	1- 43	AC	N	C
MSPRD0227GCZZ	8- 23	AC	N	C
MSPRD2750SCZZ	1- 10	AB	N	C
MSPRD2761SCZZ	1- 11	AB	N	C
MSPRP0158GCZZ	7- 7	AC		C
MSPRP2512SCZZ	3- 5	AB		C
MSPRP2618SCZZ	3- 3	AD		C
MSPRP2619SCZZ	3- 4	AD		C
MSPRP2687SCZZ	1- 12	AC	N	C
MSPRP2752SCZZ	1- 44	AD	N	C
MSPRP2753SCZZ	1- 45	AD	N	C
MSPRT0137GCZZ	6- 12	AD		C
MSPRT0138GCZ1	7- 13	AB	N	C
MSPRT0141GCZ1	7- 17	AC	N	C
MSPRT0228GCZZ	8- 26	AB	N	C
MSPRT0229GCZZ	4- 37	AC	N	C
MSPRT2751SCZZ	1- 46	AB	N	C
〔N〕				
NBLTH0008GCZ1	4- 1	AG	N	C
NBRGC0034GCZ1	8- 15	AD	N	C
NBRGC0035GCZ1	8- 10	AE	N	C
NBRGP0031GCZZ	4- 6	AC		C
NBRGP0032GCZZ	7- 3	AC		C
NFANP0003GCZZ	4- 5	AF		C
NGERH0071GCZZ	4- 17	AC		C
NGERH0072GCZZ	4- 18	AD		C
NGERH0074GCZZ	4- 21	AC		C
NGERH0075GCZ1	4- 3	AF	N	C
NGERH0076GCZZ	4- 2	AC		C
NGERH0077GCZZ	4- 22	AC		C
NGERH0078GCZZ	4- 20	AC		C
NGERH0080GCZZ	6- 10	AE		C
NGERH0082GCZ1	7- 2	AC	N	C
NGERH0083GCZZ	8- 12	AC		C
NGERH0094GCZZ	4- 10	AC		C
NGERH0095GCZZ	4- 13	AD		C
NGERH0096GCZZ	4- 14	AC		C
NGERH0097GCZZ	8- 7	AC	N	C
NGERH0098SCZZ	8- 29	AD	N	C
NGERH2201XHZA	1- 59	AG		C
NGERH2204XHZZ	1- 13	AM		C
NGERH2207XHZZ	1- 47	AD		C
NGERH2240XHZZ	1- 60	AC		C
NGERH2261XHZZ	1- 61	AC		C
NGERP2287SCZZ	2- 11	AC	N	C
NROLM0061GCZ1	8- 13	AT	N	C
NRÖLP0056GCZ1	6- 15	AR	N	C
NRÖLP0057GCZZ	8- 1	AG		C
NRÖLP0059GCZZ	7- 18	AC	N	C
NRÖLP0060GCZ1	7- 1	AY	N	C
NRÖLP0066GCZZ	8- 18	AG	N	C
NRÖLP0095GCZZ	8- 19	AH	N	C
NRÖLP2249XHZZ	1- 15	AE		C
NRÖLP2300XHZZ	1- 48	AC		C
NRÖLR2317SCZZ	1- 16	AK	N	C
NRÖLR2318SCZZ	1- 49	AK	N	C
NRÖLR2319SCZZ	1- 17	AM	N	C
NSFTZ2252SCZZ	1- 50	AC		C
〔P〕				
PBARM0001GCZ1	8- 16	AE	N	C
PBRS-2046SCZZ	1- 51	AE	N	C
PCASZ0019GCZZ	7- 23	AF		C
PCÖVP0038GCZZ	7- 26	AA		C
PCÖVP0046GCZ1	4- 11	AC	N	C
PCÖVP0048GCZZ	8- 6	AV	N	C
PCÖVP0072GCZZ	8- 20	AG	N	C
PCÖVP2102SCZZ	1- 81	AG	N	C
PFLT-2011SCZZ	1- 99	AA	N	C
PGiDM0046GCZ1	5- 3	AE	N	C
PGiDM2428SCBL	2- 12	AF	N	C
PGiDM2428SCBR	2- 13	AF	N	C
PGiDP2424SCZZ	1- 52	AX	N	C
PGiDP2427SCZZ	1- 56	AR	N	C
PGLSP2043SCZZ	3- 6	AF		C
PLNS-2043XHZZ	3- 7	AU		B
PMiR-2061SCZZ	3- 8	AG		C
PMiR-2062SCZZ	3- 9	AH		C
PMLT-0053GCZZ	8- 28	AB	N	C
PMLT-0054GCZZ	8- 27	AB	N	C
PMLT-2007SCZZ	1- 87	AC	N	C
PMLT-2008SCZZ	1- 88	AC	N	C
PPiPP0003GCZ1	6- 11	AC	N	C
PPiPP0006GCZ1	6- 13	AC	N	C
PRNGP0026FCZZ	4- 7	AA		C
PSHEG0113GCZ1	7- 9	AF	N	C
PSHEP0115GCZ1	7- 22	AK	N	C
PSHEP0150GCZZ	7- 31	AC	N	C
PSHEP0151GCZZ	7- 30	AD	N	C
PSHEP0157GCZZ	6- 18	AC	N	C
PSHEP0158GCZZ	7- 32	AD	N	C
PSHEP0162GCZZ	5- 8	AC		C
PSHEP0163GCZZ	6- 22	AC	N	C
PSHEP0164GCZZ	6- 23	AK		C
PSHEP0165GCZZ	6- 20	AB	N	C
PSHEP0166GCZZ	6- 21	AC	N	C
PSHEP0167GCZZ	8- 31	AC	N	C
PSHEP0168GCZZ	7- 39	AD	N	C
PSHEP0171GCZZ	6- 24	AF		C
PSHEZ3119SCZZ	1- 69	AE	N	C
PSHEZ3120SCZZ	1- 53	AC	N	C
PSHEZ3125SCZZ	1- 96	AB	N	C
PSHEZ3126SCZZ	3- 10	AC	N	C
PSHEZ3128SCZZ	14- 8	AB	N	C
PSHEZ3129SCZZ	3- 11	AB	N	C
PSHEZ3134SCZZ	7- 40	AE	N	C
PSHEZ3147SCZZ	1- 19	AD	N	C
PSHEZ3148SCZZ	1- 20	AE	N	C
PSHEZ3149SCZZ	1- 92	AD	N	C
PSHEZ3169SCZZ	1- 70	AC	N	C
PSHEZ3174SCZZ	2- 15	AC	N	C
PSHEZ3183SCZZ	1- 86	AC	N	C
PSHEZ3187SCZZ	1- 94	AC	N	C
PSHEZ3188SCZZ	1- 95	AD	N	C
PSHEZ3189SCZZ	1- 91	AD	N	C
PSHEZ3190SCZZ	3- 15	AB	N	C
PSHEZ3191SCZZ	3- 16	AB	N	C
PSPAZ0026GCZZ	7- 33	AD	N	C
PSPAZ2208SCZZ	1- 71	AC	N	C
PTME-0020GCZZ	8- 22	AG	N	C
〔Q〕				
QACCF732ASCZZ	1- 65	AZ		E
QACCV662AXHZZ	1- 65	AZ		B
QCNCM2401SC0B	10- 91	AA		C
//	11- 70	AA		B
QCNCM2401SC0C	12- 49	AB		C
QCNCM2456SC2F	10- 92	AG		C
QCNCM2456SC3B	10- 92	AH		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
QCNCM2465SC3J	10- 90	AF		C
QCNCM2473SC0D	12- 43	AC	N	C
QCNCM2482SC2B	10- 94	AE		C
QCNCM7014SC0B	11- 71	AD		B
//	11- 74	AD		B
//	12- 42	AD		C
QCNCM7014SC0E	12- 47	AB		C
QCNCM7014SC0F	10- 96	AB		C
QCNCM7014SC0G	10- 89	AB		C
QCNCM704BAFZZ	12- 44	AB	N	C
QCNCM768EAFZZ	12- 50	AC	N	C
QCNCM886PAFZZ	12- 51	AF	N	C
QCNCM894KAFZZ	12- 46	AF	N	C
QCNCM894MAFZZ	12- 45	AG	N	C
QCNCW0053GCZZ	12- 41	AD	N	C
QCNCW2436SC2F	11- 72	AG	N	C
QCNCW2436SC3B	11- 72	AH	N	C
QCNCW690KAFZZ	10- 95	AD	N	C
QCNCW690MAFZZ	10- 93	AD	N	C
QCNW-3975XHGY	9- 7	AG		C
QCNW-3976XHOG	9- 8	AT		C
QCNW-4420SCZZ	14- 3	AG	N	C
QCNW-4421SCZZ	3- 12	AD	N	C
QCNW-4424SCZZ	1- 75	AR	N	C
QCNW-4425SCZZ	1- 54	AD	N	
QCNW-4426SCZZ	11- 300	AD	N	C
//	11- 300	AD	N	C
QCNW-4428SCZZ	4- 47	AF	N	C
QCNW-4478SCZZ	12- 63	AC	N	C
QCNW-4489SCZZ	11- 3	AD	N	C
//	11- 79	AD	N	C
QCNW-4490SCZZ	12- 48	AF	N	C
QCNW-4499SCZZ	12- 64	AC	N	C
QFS-T0005GCZZ	8- 8	AQ	N	B
QFS-T0006GCBZ	8- 24	AN	N	C
QJAKZ2051SCFB	11- 73	AG	N	C
QJAKZ2051SC0B	11- 116	AF		C
QJAKZ2052SC0D	11- 117	AE		C
QSLP-0028GCZZ	7- 15	AE		C
QSLP-0029GCZZ	8- 5	AD		C
QSLP-0030GCZZ	8- 17	AD		C
QSLP-0032GCZZ	7- 12	AD		C
QSOCZ2051SC32	10- 102	AC		C
QSOCZ6428ACZZ	10- 104	AE		C
QSW-S2166SC03	11- 241	AC		B
//	11- 242	AC		B
QSW-Z2206SCZZ	11- 301	AH		B
//	11- 301	AH		B
QSWHXW5000///	10- 317	AE	N	B
QTANN2046SCZZ	12- 1	AC		C
//	12- 61	AC		C
//	12- 62	AC		C
//	12- 73	AC		C
//	12- 145	AC		C
QTANN2047SCZZ	11- 2	AC		C
[R]				
RC-FZ2021SCZZ	11- 16	AC		C
RC-GZA475AF1E	12- 16	AC		C
//	12- 32	AC		C
RC-GZA476AF1A	12- 5	AC		C
//	12- 21	AC		C
RCiLL0145AFZZ	11- 89	AF		C
RCiLZ1044CCZZ	10- 129	AC		C
//	10- 132	AC		C
//	10- 134	AC		C
RCiLZ2089SCZZ	11- 91	AG		C
RCiLZ2104SCZZ	10- 130	AK	N	C
RCiLZ2122SCZZ	11- 96	AC	N	C
//	11- 98	AC	N	C
RCiLZ2128SCZZ	12- 71	AF	N	C
//	12- 72	AF	N	C
RCiLZ2129SCZZ	11- 100	AE	N	C
RCORF2063SCZZ	1- 82	AE		B
RCORF2064SCZZ	3- 14	AE		B
RCORF2098SCZZ	10- 135	AE	N	C
RCRSP0074AFZZ	10- 321	AE		B
RCRSP2106SCZZ	10- 319	AG	N	B
RCRSQ2056SCZZ	10- 320	AG		B
RCRSZ0017GCZZ	12- 148	AH	N	B
RCRSZ7008SCZZ	10- 318	AD		B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
RDENT2092XHZZ	1- 73	BS	N	E
//	13- 901	BS	N	E
RDTCT0019GCZZ	8- 9	AP	N	B
RFiLN2011SCZZ	11- 93	AC	N	C
//	11- 94	AC	N	C
//	11- 95	AC	N	C
RH-DX2007SCZZ	11- 239	AC		B
//	11- 240	AC		B
RLMPU0011GCZ1	8- 14	AX	N	B
RMOTN0023GCZZ	6- 7	AX	N	B
RMOTZ2118SCZZ	1- 62	AV	N	B
RMPTC8103QCKB	12- 2	AD		B
RPLU-0003GCZ1	6- 2	AM	N	B
RRLYZ0166AFZZ	11- 69	AH		B
RRLYZ3411SCZZ	11- 69	AR		B
RTRNi2142XHZZ	11- 244	AR		B
RTRNZ0011GCZZ	12- 143	AL	N	B
RTRNZ0012GCZZ	12- 144	AL	N	B
RTRNZ2128XHZZ	11- 243	AS		B
RTRNZ2140XHZZ	11- 243	AN		B
RVR-M0586AFZZ	12- 147	AC	N	B
RVR-Q1402QCZZ	11- 247	AD		B
[S]				
SPAKA4644SCZZ	9- 9	AN	N	D
SPAKA4645SCZZ	9- 10	AE	N	D
SPAKA4646SCZZ	9- 13	AL	N	D
SPAKA4647SCZZ	9- 14	AK	N	D
SPAKC4701SCZZ	9- 15	AX	N	D
SPAKP4381XHZZ	9- 16	AG		D
[T]				
TiNSE3573SCZZ	9- 11	AT	N	D
TiNST3575SCZZ	9- 11	AW	N	D
TLABH3775SCZA	9- 12	AE	N	D
TLABP3078SCZZ	10- 322	AA		D
TLABZ0202GCZ2	5- 9	AD	N	D
TLABZ0205GCZZ	6- 25	AC	N	D
[U]				
UBATL2034SCZZ	10- 1	AH		B
[V]				
VCCCPU1HH270J	12- 13	AA		C
//	12- 14	AA		C
VCCCTV1HH101J	10- 16	AA		C
VCCCTV1HH180J	10- 39	AA		C
//	10- 74	AA		C
//	10- 78	AA		C
//	10- 88	AA		C
VCCCTV1HH221J	11- 44	AA		C
//	11- 56	AA		C
VCCCTV1HH300J	10- 32	AA		C
//	10- 38	AA		C
VCCCTV1HH330J	10- 77	AA		C
//	10- 85	AA		C
VCCSTV1HH511J	11- 67	AB	N	C
VCCSTV1HL102J	10- 42	AA		C
//	10- 45	AA		C
//	10- 73	AA		C
VCCSTV1HL391J	10- 54	AA		C
VCEAEA0JW107M	11- 14	AA		C
VCEAEA1AW336M	11- 7	AA		C
VCEAEA1CW106M	10- 7	AC	N	C
//	10- 9	AC	N	C
//	10- 10	AC	N	C
//	10- 11	AC	N	C
VCEAEA1CW336M	10- 3	AB		C
VCEAEA1CW476M	10- 2	AA		C
VCEAEA1EW475M	10- 8	AA		C
VCEAEA1EW476M	10- 4	AB		C
//	10- 5	AB		C
//	11- 4	AB		C
//	11- 6	AB		C
//	11- 9	AB		C
//	11- 10	AB		C
//	11- 11	AB		C
//	11- 12	AB		C
//	11- 24	AB		C
VCEAEA1HW104M	11- 12	AB	N	C
//	11- 15	AB	N	C
//	11- 21	AB	N	C
//	11- 27	AB	N	C
//	11- 34	AB	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCEAEA1HW104M	11- 35	AB	N	C
VCEAEA1HW105M	11- 5	AC		C
//	11- 10	AC		C
//	11- 20	AC		C
//	11- 21	AC		C
//	11- 22	AC		C
//	11- 23	AC		C
//	11- 24	AC		C
//	11- 25	AC		C
//	11- 28	AC		C
//	11- 29	AC		C
//	11- 30	AC		C
//	11- 33	AC		C
VCEAEA1HW106M	11- 8	AA		C
VCEAEA1HW225M	10- 6	AA		C
//	11- 8	AA		C
//	11- 11	AA		C
//	11- 22	AA		C
//	11- 28	AA		C
//	11- 29	AA		C
VCEAEA1HW334M	11- 14	AA	N	C
VCEAEA1HW475M	11- 6	AA		C
//	11- 13	AA		C
//	11- 18	AA		C
//	11- 20	AA		C
//	11- 25	AA		C
//	11- 26	AA		C
//	11- 31	AA		C
VCEAGA1EW107M	11- 26	AB		C
VCEAJA1EW226M	14- 1	AB		C
VCFYJU2EA153K	12- 34	AD	N	C
VCFYJU2EA474K	11- 17	AD		C
VCKYPU1HB102K	12- 31	AA		C
//	12- 37	AA		C
//	12- 38	AA		C
//	12- 39	AA		C
VCKYPU1HB472K	12- 8	AA		C
//	12- 9	AA		C
//	12- 10	AA		C
//	12- 15	AA		C
//	12- 18	AA		C
//	12- 19	AA		C
//	12- 22	AA		C
VCKYPU1HB822K	11- 10	AB		C
VCKYQY3AB102K	12- 28	AC	N	C
VCKYQY3DB151K	12- 26	AC	N	C
VCKYQY3FB102K	12- 27	AD	N	C
VCKYTQ1CB224K	11- 55	AC	N	C
VCKYTQ1CF105Z	10- 64	AE	N	C
//	10- 76	AE	N	C
VCKYTQ1CF225Z	10- 35	AC	N	C
VCKYTQ1EF104Z	10- 46	AA		C
//	10- 57	AA		C
//	10- 58	AA		C
//	14- 2	AA		C
VCKYTQ1HB103K	11- 54	AA	N	C
VCKYTQ1HB104K	11- 53	AB		C
//	11- 59	AB		C
//	11- 61	AB		C
//	11- 62	AB		C
VCKYTQ1HB123K	11- 39	AC		C
VCKYTQ1HB473K	11- 47	AA		C
VCKYTQ1HB563K	11- 39	AA		C
VCKYTV1CF105Z	10- 36	AB		C
//	10- 37	AB		C
//	10- 61	AB		C
VCKYTV1EF104Z	10- 12	AA		C
//	10- 15	AA		C
//	10- 17	AA		C
//	10- 22	AA		C
//	10- 23	AA		C
//	10- 24	AA		C
//	10- 25	AA		C
//	10- 26	AA		C
//	10- 29	AA		C
//	10- 33	AA		C
//	10- 34	AA		C
//	10- 40	AA		C
//	10- 43	AA		C
//	10- 44	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1EF104Z	10- 47	AA		C
〃	10- 48	AA		C
〃	10- 49	AA		C
〃	10- 55	AA		C
〃	10- 59	AA		C
〃	10- 60	AA		C
〃	10- 62	AA		C
〃	10- 63	AA		C
〃	10- 65	AA		C
〃	10- 68	AA		C
〃	10- 69	AA		C
〃	10- 70	AA		C
〃	10- 71	AA		C
〃	10- 75	AA		C
〃	10- 80	AA		C
〃	10- 81	AA		C
〃	10- 82	AA		C
〃	10- 83	AA		C
〃	10- 84	AA		C
〃	10- 86	AA		C
〃	10- 87	AA		C
VCKYTV1HB102K	11- 42	AA		C
〃	11- 48	AA		C
〃	11- 53	AA		C
VCKYTV1HB103K	10- 27	AB		C
〃	10- 79	AB		C
〃	11- 36	AB		C
〃	11- 38	AB		C
〃	11- 40	AB		C
〃	11- 43	AB		C
〃	11- 48	AB		C
〃	11- 49	AB		C
〃	11- 50	AB		C
VCKYTV1HB121K	11- 57	AA		C
VCKYTV1HB152K	11- 45	AA		C
VCKYTV1HB182K	11- 57	AA		C
〃	11- 67	AA		C
VCKYTV1HB183K	11- 46	AA		C
VCKYTV1HB221K	11- 44	AA		C
〃	11- 47	AA		C
VCKYTV1HB222K	10- 13	AA		C
〃	10- 14	AA		C
〃	10- 18	AA		C
〃	10- 19	AA		C
〃	10- 21	AA		C
〃	10- 28	AA		C
〃	10- 30	AA		C
〃	10- 31	AA		C
〃	10- 41	AA		C
〃	10- 50	AA		C
〃	10- 51	AA		C
〃	10- 52	AA		C
〃	10- 53	AA		C
〃	10- 56	AA		C
〃	10- 67	AA		C
〃	10- 72	AA		C
〃	11- 41	AA		C
〃	11- 43	AA		C
VCKYTV1HB331K	11- 40	AA		C
〃	11- 50	AA		C
〃	11- 52	AA		C
VCKYTV1HB392K	11- 68	AA		C
VCKYTV1HB472K	10- 20	AA		C
〃	11- 45	AA		C
VCKYTV1HB561K	11- 56	AA		C
VCKYTV1HB562K	11- 42	AA		C
VCKYTV1HB681K	10- 66	AA		C
〃	11- 66	AA		C
VCKYTV1HB822K	11- 64	AA		C
VCKYTV1HF223Z	11- 36	AA		C
〃	11- 37	AA		C
〃	11- 38	AA		C
〃	11- 39	AA		C
〃	11- 41	AA		C
〃	11- 44	AA		C
〃	11- 46	AA		C
〃	11- 49	AA		C
〃	11- 51	AA		C
〃	11- 52	AA		C
〃	11- 58	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1HF223Z	11- 63	AA		C
〃	11- 65	AA		C
VCQYNA1HM153K	12- 33	AB		C
VCQYNA1HM222K	12- 29	AA		C
VCQYNA1HM333K	11- 19	AA		C
〃	11- 32	AA		C
VCQYNA1HM472K	12- 30	AA	N	C
〃	12- 36	AA	N	C
VCTYPU1HF104Z	12- 3	AB		C
〃	12- 4	AB		C
〃	12- 6	AB		C
〃	12- 7	AB		C
〃	12- 11	AB		C
〃	12- 12	AB		C
〃	12- 17	AB		C
〃	12- 20	AB		C
〃	12- 23	AB		C
〃	12- 24	AB		C
VHDDAP202U/-1	10- 97	AB		B
VHDDSM1D1//-1	12- 56	AB	N	B
〃	12- 57	AB	N	B
〃	12- 58	AB	N	B
〃	12- 59	AB	N	B
VHDDSS131//-1	11- 75	AA		B
〃	11- 76	AA		B
〃	11- 77	AA		B
VHDDSS133//-1	11- 78	AA		B
〃	12- 52	AA		B
VHDRB400D//-1	10- 98	AC		B
VHDSHV02///-1	12- 55	AD		B
VHDSHV03///-1	12- 53	AE		B
〃	12- 54	AE		B
VHD1N4148//-1	13- 12	AA		B
VHD1SS355//-1	10- 99	AB	N	B
〃	10- 100	AB	N	B
VHED2.4ESAB11	12- 150	AC	N	B
〃	12- 153	AC	N	B
〃	12- 154	AC	N	B
VHEHZ11A3//-1	11- 248	AB	N	B
VHEHZ15-2//-1	11- 257	AB	N	B
VHEHZ2C1///-1	11- 248	AA	N	B
〃	11- 249	AA	N	B
〃	11- 252	AA	N	B
〃	11- 253	AA	N	B
〃	11- 254	AA	N	B
〃	11- 255	AA	N	B
VHEHZ24-2//-1	11- 258	AB	N	B
VHEHZ27-1//-1	11- 251	AB	N	B
VHEHZ3B1///-1	11- 249	AB	N	B
〃	11- 253	AB	N	B
〃	11- 254	AB	N	B
〃	11- 255	AB	N	B
〃	11- 256	AB	N	B
〃	11- 259	AB	N	B
〃	11- 260	AB	N	B
VHEHZ36-3//-1	11- 258	AD		B
VHEHZ6A3///-1	11- 250	AC	N	B
VHEHZ9A2///-1	11- 248	AB		B
VHERD3.9EB2-1	12- 149	AB	N	B
VHERD30JSAB21	12- 151	AC	N	B
〃	12- 152	AC	N	B
VHE1ZB200Y/-1	12- 155	AF	N	B
VHE1ZB300X/-1	12- 156	AF	N	B
VHH103AT-2B-1	12- 146	AF	N	B
VHiBU4053BCF1	11- 82	AE	N	B
〃	11- 85	AE	N	B
VHiBU4066BCF1	11- 84	AD	N	B
VHiHM514800J8	10- 120	BG		B
〃	10- 121	BG		B
VHiLB1730//-1	10- 107	AH		B
VHiLH5268TH10	10- 119	AR		B
VHiLR38271///	10- 117	AY	N	B
VHiLZ9FJ32/-1	10- 118	AY	N	B
VHiMB4256A70/	10- 113	AZ	N	B
〃	10- 114	AZ	N	B
〃	10- 116	AZ	N	B
VHiMC14051BF-	11- 83	AE	N	B
VHiMC74HC10-1	12- 69	AE	N	B
VHiM5255CF70L	10- 111	AW	N	B
VHiNJM2113M-1	11- 82	AG	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VHiNJM2113M-1	11- 85	AG	N	B
VHiNJM2903M-1	10- 125	AD	N	B
VHiNJM2904M-1	10- 126	AE	N	B
VHiNJM4558F-1	10- 124	AD		B
VHiNJM4558M-1	11- 83	AD	N	B
〃	11- 84	AD	N	B
〃	11- 86	AD	N	B
〃	11- 87	AD	N	B
VHiNJU6355E-1	10- 122	AM	N	B
VHiPQ12RF1/-1	10- 108	AG		B
VHiPST591CMT1	10- 123	AE	N	B
VHiR96DFXL/-1	10- 115	BL		B
VHiTA7291S/-1	12- 65	AF		B
〃	12- 66	AF		B
VHiTCD1206UP1	14- 4	AX		B
VHiTEA1062A-1	11- 80	AR	N	B
VHiTHS65//-1A	11- 81	AF		B
VHiTLS1019/-1	10- 112	AU	N	B
VHiT377P33C53	12- 68	BC	N	B
VHiULN2003AN/	12- 67	AE		B
VHiULN2003ANS	10- 106	AE		B
VHiZ8018008FS	10- 109	AV		B
〃	10- 110	AV		B
VHi27020FEA0B	10- 102	BA		B
VHi27020FEC0A	10- 102	BA		B
VHi27020FED0D	10- 102	BA		B
VHi27020FEE0B	10- 102	BA		B
VHi27512FHH0E	10- 105	BL	N	B
VHi74HCU04F-1	10- 127	AC		B
VHPGP1S53V/-1	12- 74	AE		B
〃	12- 75	AE		B
VHPPC814///-1	11- 118	AE		B
VHPPC817CD/-1	11- 120	AC		B
VHPRPi-574///	10- 139	AF	N	B
〃	10- 140	AF	N	B
VHPSNK08B24-1	3- 13	AU		B
VHPTLP521-1BL	11- 119	AE		B
〃	11- 121	AE		B
〃	11- 122	AE		B
〃	11- 123	AE		B
〃	11- 124	AE		B
VHPTLP627//-1	11- 119	AH		B
VHVDSS401M/-1	11- 1	AG	N	B
VHViCPN20//-1	10- 101	AD		B
VHViCPN25//-1	12- 70	AD	N	B
VHVSR3YP600A1	11- 1	AM		B
VHVTN07G101-1	11- 246	AB		B
VHVTN07G271-1	11- 246	AC		B
VHVTN07G471-1	11- 245	AB	N	B
〃	11- 246	AB	N	B
VHVT83A350/-1	11- 1	AM		B
VRD-HT2EY000J	11- 76	AA		C
VRD-HT2EY100J	12- 113	AA	N	C
VRD-HT2EY102J	12- 87	AA		C
〃	12- 106	AA		C
〃	12- 114	AA		C
VRD-HT2EY103J	12- 89	AA		C
〃	12- 97	AA		C
〃	12- 99	AA		C
〃	12- 100	AA		C
〃	12- 101	AA		C
〃	12- 102	AA		C
〃	12- 103	AA		C
〃	12- 104	AA		C
〃	12- 109	AA		C
〃	12- 138	AA		C
VRD-HT2EY104J	12- 139	AA		C
VRD-HT2EY105J	12- 111	AA		C
〃	12- 124	AA		C
〃	12- 125	AA		C
VRD-HT2EY153J	12- 131	AA		C
〃	12- 136	AA		C
VRD-HT2EY203J	12- 88	AA		C
〃	12- 95	AA		C
〃	12- 96	AA		C
〃	12- 98	AA		C
〃	12- 110	AA		C
〃	12- 137	AA		C
VRD-HT2EY243J	11- 145	AA		C
VRD-HT2EY300J	11- 142	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRD-HT2EY364J	12- 120	AA		C
VRD-HT2EY392J	12- 93	AA		C
VRD-HT2EY471J	12- 105	AA		C
VRD-HT2EY472J	12- 132	AA		C
〃	12- 135	AA		C
〃	12- 141	AA		C
〃	12- 142	AA		C
VRD-HT2EY473J	12- 90	AA		C
VRD-HT2EY512J	12- 107	AA		C
〃	12- 112	AA		C
〃	12- 126	AA		C
〃	12- 127	AA		C
VRD-HT2EY561J	12- 115	AA	N	C
〃	12- 122	AA	N	C
〃	12- 123	AA	N	C
VRD-HT2EY620J	12- 128	AA	N	C
〃	12- 133	AA	N	C
VRD-HT2EY681J	12- 108	AA		C
VRD-HT2EY754J	12- 121	AA	N	C
VRD-HT2EY822J	12- 92	AA		C
VRD-HT2EY910J	11- 141	AA		C
VRD-HT2HY101J	11- 143	AA		C
VRD-HT2HY200J	11- 142	AA		C
VRD-HT2HY223J	11- 144	AA		C
VRD-HT2HY270J	11- 142	AA		C
VRD-HT2HY3R0J	12- 130	AB	N	C
〃	12- 134	AB	N	C
VRD-HT2HY331J	10- 142	AA		C
〃	10- 143	AA		C
VRD-HT2HY430J	11- 141	AA		C
VRD-HT2HY513J	11- 147	AA	N	C
VRD-HT2HY910J	12- 94	AA	N	C
VRD-RC2EY000J	11- 90	AA		C
〃	11- 91	AA		C
〃	11- 92	AA		C
〃	11- 93	AA		C
〃	11- 97	AA		C
〃	11- 99	AA		C
〃	11- 101	AA		C
〃	11- 102	AA		C
〃	11- 103	AA		C
〃	11- 104	AA		C
〃	11- 105	AA		C
〃	11- 106	AA		C
〃	11- 107	AA		C
〃	11- 108	AA		C
〃	11- 109	AA		C
〃	11- 110	AA		C
〃	11- 111	AA		C
〃	11- 112	AA		C
〃	11- 113	AA		C
VRH-PT2HF395J	12- 119	AC	N	C
VRHDPT3AF395J	12- 117	AD	N	C
VRHDPT3AF825J	12- 118	AD	N	C
VRHVKU2HD257M	12- 140	AG	N	C
VRNHT2EK1002F	12- 86	AA		C
VRNHT2EK1102F	12- 129	AA	N	C
VRNHT2EK1502F	12- 91	AA	N	C
VRS-HT3AA333J	11- 146	AA		C
VRS-TP2BD000J	10- 128	AA		C
〃	10- 131	AA		C
〃	10- 133	AA		C
〃	10- 136	AA		C
〃	10- 259	AA		C
〃	11- 60	AA		C
〃	11- 88	AA		C
VRS-TP2BD201J	10- 261	AA		C
VRS-TP2BD221J	11- 165	AB		C
VRS-TP2BD222J	14- 6	AA		C
VRS-TP2BD390J	14- 7	AA		C
VRS-TP2BD561J	10- 144	AA		C
VRS-TS2AD000J	10- 150	AA		C
〃	10- 151	AA		C
〃	10- 163	AA		C
〃	10- 164	AA		C
〃	10- 165	AA		C
〃	10- 171	AA		C
〃	10- 172	AA		C
〃	10- 173	AA		C
〃	10- 174	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD000J	10- 175	AA		C
〃	10- 184	AA		C
〃	10- 189	AA		C
〃	10- 198	AA		C
〃	10- 203	AA		C
〃	10- 207	AA		C
〃	10- 231	AA		C
〃	10- 246	AA		C
〃	10- 252	AA		C
〃	10- 267	AA		C
〃	10- 274	AA		C
〃	10- 295	AA		C
〃	10- 300	AA		C
〃	11- 114	AA		C
〃	11- 115	AA		C
〃	11- 156	AA		C
〃	11- 159	AA		C
〃	11- 162	AA		C
〃	11- 165	AA		C
〃	11- 173	AA		C
〃	11- 175	AA		C
〃	11- 195	AA		C
〃	11- 199	AA		C
〃	11- 202	AA		C
〃	11- 208	AA		C
〃	11- 212	AA		C
〃	11- 229	AA		C
〃	11- 231	AA		C
〃	11- 232	AA		C
〃	11- 233	AA		C
〃	11- 234	AA		C
〃	11- 235	AA		C
〃	11- 236	AA		C
〃	11- 237	AA		C
〃	11- 238	AA		C
VRS-TS2AD100J	10- 185	AA		C
〃	10- 186	AA		C
〃	10- 190	AA		C
〃	10- 191	AA		C
〃	10- 192	AA		C
〃	10- 193	AA		C
〃	10- 194	AA		C
〃	10- 195	AA		C
〃	10- 210	AA		C
〃	10- 211	AA		C
〃	10- 212	AA		C
〃	10- 213	AA		C
〃	10- 218	AA		C
〃	10- 233	AA		C
〃	10- 234	AA		C
〃	10- 235	AA		C
〃	10- 236	AA		C
〃	10- 237	AA		C
〃	10- 239	AA		C
〃	10- 240	AA		C
〃	10- 255	AA		C
〃	10- 256	AA		C
〃	10- 257	AA		C
〃	10- 258	AA		C
〃	10- 262	AA		C
〃	10- 263	AA		C
〃	10- 264	AA		C
〃	10- 265	AA		C
〃	10- 266	AA		C
〃	10- 276	AA		C
〃	10- 296	AA		C
〃	10- 297	AA		C
〃	10- 298	AA		C
〃	10- 299	AA		C
〃	11- 166	AA		C
VRS-TS2AD101J	10- 183	AA		C
〃	10- 196	AA		C
〃	10- 230	AA		C
〃	10- 245	AA		C
VRS-TS2AD102J	10- 187	AA		C
〃	11- 149	AA		C
〃	11- 150	AA		C
〃	11- 160	AA		C
〃	11- 186	AA		C
〃	11- 192	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD102J	11- 204	AA		C
VRS-TS2AD103J	10- 153	AA		C
〃	10- 156	AA		C
〃	10- 169	AA		C
〃	10- 170	AA		C
〃	10- 197	AA		C
〃	10- 202	AA		C
〃	10- 205	AA		C
〃	10- 227	AA		C
〃	10- 232	AA		C
〃	10- 241	AA		C
〃	10- 242	AA		C
〃	10- 243	AA		C
〃	10- 244	AA		C
〃	10- 247	AA		C
〃	10- 275	AA		C
〃	10- 284	AA		C
〃	10- 301	AA		C
〃	10- 302	AA		C
〃	11- 152	AA		C
〃	11- 153	AA		C
〃	11- 160	AA		C
〃	11- 166	AA		C
〃	11- 169	AA		C
〃	11- 171	AA		C
〃	11- 172	AA		C
〃	11- 173	AA		C
〃	11- 178	AA		C
〃	11- 182	AA		C
〃	11- 183	AA		C
〃	11- 207	AA		C
〃	11- 219	AA		C
〃	11- 221	AA		C
〃	11- 225	AA		C
〃	11- 226	AA		C
VRS-TS2AD104J	11- 151	AA		C
〃	11- 154	AA		C
〃	11- 162	AA		C
〃	11- 163	AA		C
〃	11- 173	AA		C
〃	11- 188	AA		C
〃	11- 189	AA		C
〃	11- 196	AA		C
〃	11- 204	AA		C
〃	11- 206	AA		C
〃	11- 209	AA		C
〃	11- 213	AA		C
〃	11- 227	AA		C
VRS-TS2AD105J	10- 251	AA		C
VRS-TS2AD113J	11- 155	AA	N	C
VRS-TS2AD122J	11- 161	AA		C
VRS-TS2AD124J	11- 175	AA		C
〃	11- 215	AA		C
VRS-TS2AD133J	11- 224	AA		C
VRS-TS2AD134J	11- 190	AA		C
VRS-TS2AD151J	11- 168	AA		C
〃	11- 194	AA		C
VRS-TS2AD152J	10- 166	AA		C
〃	10- 303	AA		C
VRS-TS2AD153J	10- 199	AA		C
〃	11- 178	AA		C
〃	11- 190	AA		C
〃	11- 191	AA		C
VRS-TS2AD154J	11- 172	AA		C
〃	11- 174	AA		C
〃	11- 185	AA		C
VRS-TS2AD163J	11- 207	AA		C
VRS-TS2AD182J	11- 186	AA		C
VRS-TS2AD183J	11- 158	AA		C
VRS-TS2AD184J	11- 157	AA		C
VRS-TS2AD203J	11- 168	AA		C
〃	11- 177	AA		C
〃	11- 202	AA		C
〃	11- 203	AA		C
〃	11- 206	AA		C
〃	11- 220	AA		C
〃	11- 224	AA		C
VRS-TS2AD221J	10- 152	AA		C
〃	10- 214	AA		C
〃	10- 225	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD221J	10- 229	AA		C
〃	11- 214	AA		C
〃	11- 216	AA		C
〃	11- 217	AA		C
〃	11- 218	AA		C
VRS-TS2AD222J	11- 193	AA		C
VRS-TS2AD223J	10- 169	AA		C
〃	11- 151	AA		C
〃	11- 156	AA		C
〃	11- 157	AA		C
〃	11- 158	AA		C
〃	11- 164	AA		C
〃	11- 171	AA		C
〃	11- 179	AA		C
〃	11- 180	AA		C
〃	11- 181	AA		C
〃	11- 182	AA		C
〃	11- 197	AA		C
〃	11- 198	AA		C
〃	11- 199	AA		C
〃	11- 200	AA		C
VRS-TS2AD224J	11- 198	AA		C
VRS-TS2AD241J	11- 185	AA		C
〃	11- 186	AA		C
VRS-TS2AD243J	11- 169	AA		C
〃	11- 170	AA		C
VRS-TS2AD271J	10- 147	AA		C
〃	10- 149	AA		C
〃	10- 158	AA		C
〃	10- 160	AA		C
〃	10- 161	AA		C
〃	10- 162	AA		C
〃	10- 168	AA		C
〃	10- 179	AA		C
〃	10- 217	AA		C
〃	10- 222	AA		C
〃	10- 248	AA		C
〃	10- 282	AA		C
〃	10- 283	AA		C
VRS-TS2AD273J	11- 154	AA		C
〃	11- 169	AA		C
〃	11- 170	AA		C
VRS-TS2AD3R0J	10- 208	AA		C
〃	10- 253	AA		C
VRS-TS2AD301J	11- 163	AA		C
VRS-TS2AD302J	10- 166	AA		C
〃	10- 170	AA		C
〃	10- 250	AA		C
〃	11- 210	AA		C
VRS-TS2AD330J	10- 268	AA		C
〃	10- 269	AA		C
〃	10- 270	AA		C
〃	10- 271	AA		C
〃	10- 272	AA		C
〃	10- 273	AA		C
〃	10- 277	AA		C
〃	10- 278	AA		C
〃	10- 279	AA		C
〃	10- 280	AA		C
〃	10- 281	AA		C
〃	10- 286	AA		C
〃	10- 287	AA		C
〃	10- 288	AA		C
〃	10- 289	AA		C
〃	10- 290	AA		C
〃	10- 291	AA		C
〃	10- 292	AA		C
〃	10- 293	AA		C
〃	10- 294	AA		C
〃	11- 167	AA		C
VRS-TS2AD331J	11- 149	AA		C
VRS-TS2AD332J	10- 216	AA		C
〃	11- 176	AA		C
〃	11- 194	AA		C
〃	11- 195	AA		C
VRS-TS2AD333J	10- 223	AA		C
〃	10- 224	AA		C
〃	11- 205	AA		C
〃	11- 222	AA		C
VRS-TS2AD363J	11- 152	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD364J	11- 211	AA		C
VRS-TS2AD391J	11- 185	AA		C
VRS-TS2AD392J	11- 187	AA		C
VRS-TS2AD393J	11- 176	AA		C
VRS-TS2AD432J	10- 200	AA	N	C
VRS-TS2AD433J	11- 152	AA		C
VRS-TS2AD471J	10- 146	AA		C
〃	10- 148	AA		C
〃	10- 157	AA		C
〃	10- 159	AA		C
〃	10- 167	AA		C
VRS-TS2AD472J	10- 180	AA		C
〃	10- 181	AA		C
〃	10- 182	AA		C
〃	10- 188	AA		C
〃	10- 201	AA		C
〃	10- 219	AA		C
〃	10- 220	AA		C
〃	10- 221	AA		C
〃	10- 285	AA		C
〃	11- 148	AA		C
〃	11- 197	AA		C
VRS-TS2AD473J	11- 230	AA		C
VRS-TS2AD511J	10- 176	AA		C
〃	10- 238	AA		C
〃	10- 254	AA		C
VRS-TS2AD512J	11- 164	AA		C
VRS-TS2AD513J	11- 189	AA		C
VRS-TS2AD562J	10- 145	AA		C
〃	10- 215	AA		C
VRS-TS2AD621J	11- 187	AA		C
〃	11- 188	AA		C
〃	11- 203	AA		C
〃	11- 204	AA		C
VRS-TS2AD622J	10- 206	AA		C
〃	11- 223	AA		C
VRS-TS2AD681J	11- 153	AA		C
〃	11- 177	AA		C
VRS-TS2AD683J	11- 192	AA		C
〃	11- 193	AA		C
VRS-TS2AD751J	11- 184	AA		C
VRS-TS2AD753J	11- 157	AA		C
〃	11- 180	AA		C
〃	11- 228	AA		C
VRS-TS2AD820J	10- 177	AA		C
〃	10- 178	AA		C
〃	10- 260	AA		C
VRS-TS2AD822J	11- 201	AA		C
VRS-TS2AD823J	11- 205	AA		C
VRS-TS2AD913J	11- 205	AA		C
VRSTS2AD1183F	10- 228	AA	N	C
VRSTS2AD1742F	10- 209	AA	N	C
VRSTS2AD3651F	11- 159	AA		C
VRSTS2AD4752F	10- 226	AA		C
VRSTS2AD8662F	10- 204	AA		C
〃	10- 249	AA		C
VSDTC114EK/-1	11- 126	AB	N	B
〃	11- 127	AB	N	B
〃	11- 129	AB	N	B
〃	11- 129	AB	N	B
〃	11- 130	AB	N	B
〃	11- 132	AB	N	B
〃	11- 133	AB	N	B
〃	11- 134	AB	N	B
〃	11- 138	AB	N	B
〃	11- 139	AB	N	B
〃	11- 140	AB	N	B
VS2SA1037KR-1	11- 130	AB		B
VS2SA1727//-1	11- 125	AE		B
VS2SA673-//-1	12- 76	AD	N	B
VS2SA933SS/-1	12- 79	AB	N	B
〃	12- 81	AB	N	B
〃	12- 83	AB	N	B
VS2SC1815Y/-1	12- 77	AC	N	B
〃	12- 78	AC	N	B
〃	12- 84	AC	N	B
〃	12- 85	AC	N	B
VS2SC2412KR-1	11- 127	AD	N	B
〃	11- 128	AD	N	B
〃	11- 131	AD	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VS2SC2412KR-1	11- 132	AD	N	B
〃	11- 133	AD	N	B
〃	11- 135	AD	N	B
〃	11- 136	AD	N	B
VS2SC2412KS-1	10- 141	AB		B
〃	14- 5	AB	N	B
VS2SC4061K/-1	11- 137	AC		B
VS2SC4883-/-1	12- 80	AF	N	B
〃	12- 82	AF	N	B
〔X〕				
XBPSD40P08K00	50-B15	AA		C
XBPSE30P06K00	50-B16	AA		C
XBPSE30P08K00	50-B19	AA		C
XBPSE30P12K00	50-B18	AA	N	C
XBPSN30P05K00	8- 3	AA		C
XBPSN30P06K00	4- 46	AB		C
XEBSD20P06000	50-B17	AA		C
XEBSD30P08000	4- 12	AA		C
〃	6- 1	AA		C
〃	7- 14	AA		C
〃	8- 30	AA		C
〃	50-B8	AA		C
XEBSD30P10000	50-B2	AA		C
XEBSE26P08000	50-B14	AA	N	C
XEBSE30P10000	8- 21	AA		C
〃	50-B3	AA		C
XEBSF30P06000	50-B13	AA		C
XEBSN30P16000	7- 38	AB	N	C
XEPSD30P06X00	50-B4	AA		C
XEPSD30P08X00	4- 16	AA		C
XHBSD30P06000	6- 6	AA		C
〃	50-B5	AA		C
XHBSE30P08000	50-B6	AA		C
XJPSD23P12000	50-B7	AA	N	C
XJPSD30P04000	50-B10	AA		C
XNGSN30-18000	8- 4	AC	N	C
XUBSD20P06000	50-B11	AA		C
XUBSD30P06000	50-B12	AA		C
〔0〕				
0CBBFZ89154Z/	13- 4	AC		C
0CBLRH0366ZR/	13- 75	AH		C
0CBLRH0367ZR/	13- 76	AH		C
0CBLRZ1167ZQ/	13- 77	AL		C
0CBPCZ0160ZZ/	13- 69	AE		C
0CBPFZ0273ZZ/	13- 66	AN		B
0CBPHZ0160ZZ/	13- 58	AU	N	B
0CBPJCZZ0037/	13- 62	AG		A
0CBPJCZZ0058/	13- 61	AH		A
0CBPJT0153ZZ/	13- 63	AE		A
0CBPKZ0194ZZ/	13- 67	AC		C
0CBPKZ0541ZZ/	13- 73	AD	N	C
0CBPKZ1123ZZ/	13- 68	AH		C
0CBPKZ1146ZZ/	13- 72	AD		C
0CBPKZ1147ZZ/	13- 71	AG		C
0CBPZZ0739ZZ/	13- 70	AE		C
0CBPZZ0831ZZ/	13- 64	AB		C
0CBUAC0004DZ/	13- 9	AC		B
0CBUAC0056BZ/	13- 7	AD		B
0CBUAC0098EZ/	13- 8	AK		B
0CBUAG0139CZ/	13- 6	AQ	N	B
0CBUBB0136DZ/	13- 10	AN		B
0CBUBB0166BB/	13- 15	AK		B
0CBUBC0099BK/	13- 14	AE	N	B
0CBUBC0157AZ/	13- 13	AH		B
0CBUBC0220BZ/	13- 11	AD		B
0CBUBDAC270A/	13- 17	AD	N	B
0CBUBDAC3R3C/	13- 18	AD		B
0CBUBDAC6R2A/	13- 19	AD	N	B
0CBUBDBM110C/	13- 21	AF		B
0CBUBDCC150B/	13- 20	AE		B
0CBUCB0140AZ/	13- 5	AP	N	B
0CBUDA0082ZZ/	13- 16	AP	N	B
0CBUDC0139AZ/	13- 22	AN		B
0CBUDC0162ZZ/	13- 23	AN		B
0CBUEEB101CW/	13- 34	AC	N	C
0CBUEEB181CT/	13- 36	AC	N	C
0CBUEEB183CT/	13- 28	AC		C
0CBUEEB222CT/	13- 35	AC		C
0CBUEEB330CW/	13- 31	AC		C
0CBUEEB471CT/	13- 29	AC		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
0CBUEEB474CT/	13- 26	AC	N	C
0CBUEEB562CT/	13- 37	AC	N	C
0CBUEEB682CT/	13- 38	AC		C
0CBUEEC100BS/	13- 33	AC	N	C
0CBUEEC122BS/	13- 39	AC	N	C
0CBUEEC471BS/	13- 32	AC	N	C
0CBUEFC564BA/	13- 24	AC		C
0CBUEFE391CE/	13- 30	AD		C
0CBUEFE823CG/	13- 27	AC		C
0CBUEGER27AS/	13- 25	AG	N	C
0CBUEZ0524ZZ/	13- 59	AD	N	B
0CBUEZ0530ZZ/	13- 65	AG	N	B
0CBUFBA102DH/	13- 40	AC		B
0CBUGAC122GK/	13- 51	AG		C
0CBUGAC821LC/	13- 55	AH	N	C
0CBUGAD221HD/	13- 52	AE		C
0CBUGAD471GK/	13- 53	AG		C
0CBUGCM222AU/	13- 43	AD	N	C
0CBUGCS222AP/	13- 54	AC		C
0CBUGCU103BC/	13- 46	AD		C
0CBUGCU331BQ/	13- 45	AD	N	C
0CBUGCZ222CK/	13- 42	AF		C
0CBUGCZ332CK/	13- 56	AG	N	C
0CBUGFF102ARX	13- 49	AC	N	C
0CBUGFF103AR/	13- 47	AC		C
0CBUGFF222AR/	13- 57	AB		C
0CBUGFF473AR/	13- 48	AB		C
0CBUGFM103HW/	13- 50	AF	N	C
0CBUGZ0945ZZ/	13- 44	AQ		C
0CBUGZ0985ZZ/	13- 41	AF	N	C
0CBUKZ0578ZZ/	13- 2	AH		C
0CBUKZ0703ZZ/	13- 3	AP		C
0CBUZZ0100ZZ/	13- 60	AH		B
0CB829650007/	13- 1	BD	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type recommandé par le constructeur.
Mettre au rébut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfare vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

SHARP

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SHARP PARTS GUIDE

MODEL FO-2600

SELECTION CODE	COUNTRY
TH	Thailand
SG	Singapore
GU	General Area
GH	General Area

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11 TEL-Liu PWB unit

12 PCU PWB unit

13 Power supply PWB unit

14 CCD PWB unit

50 Hardware parts

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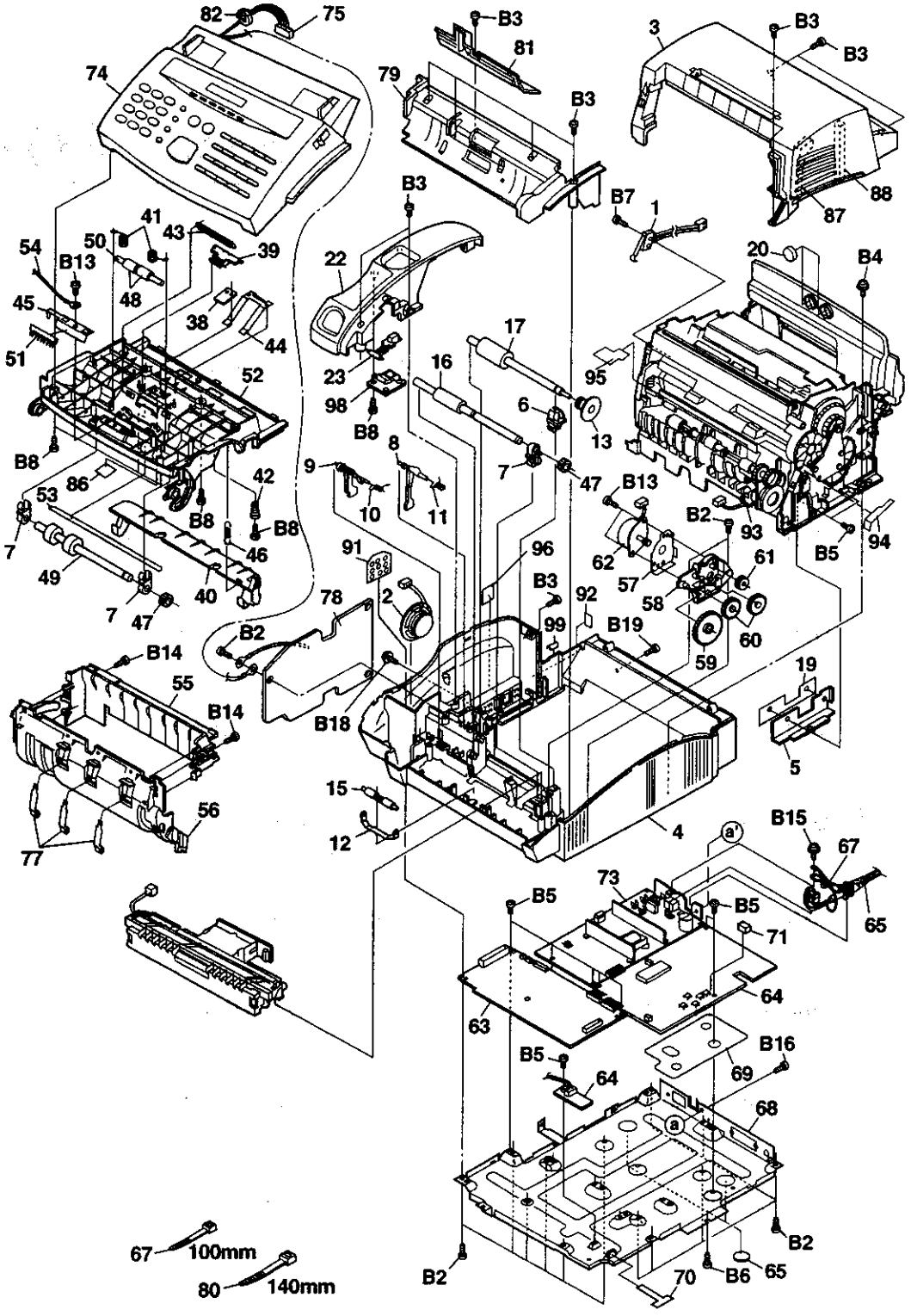
Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

FO-2600TH/SG
FO-2600GU/GH

1 Cabinet, etc.



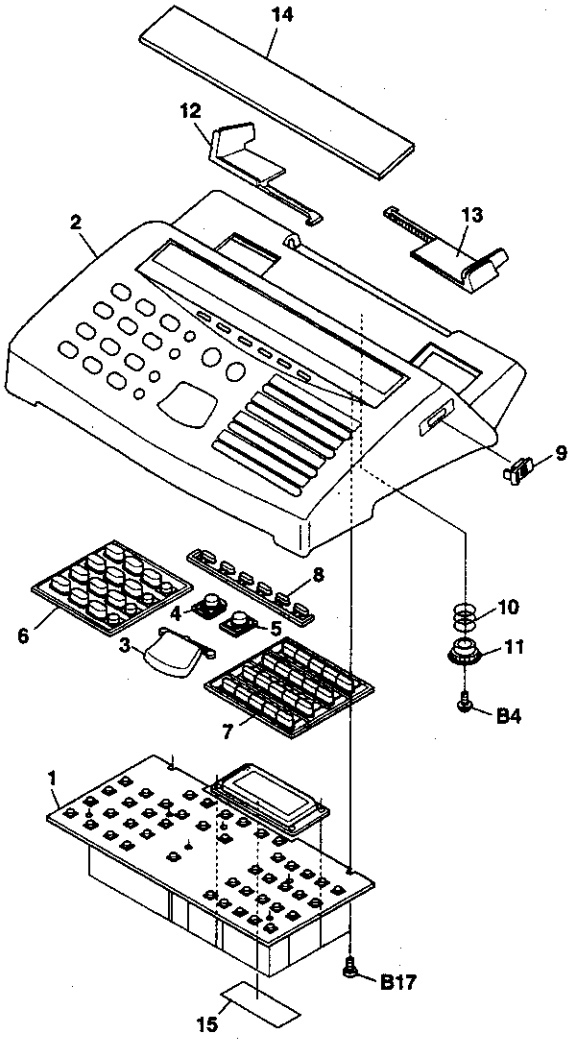
1 Cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
⚠ 1	CCNW-4422SC01	AL	N	C	Interlock switch ass'y
2	CCNW-4423SC01	AK	N	C	Speaker ass'y

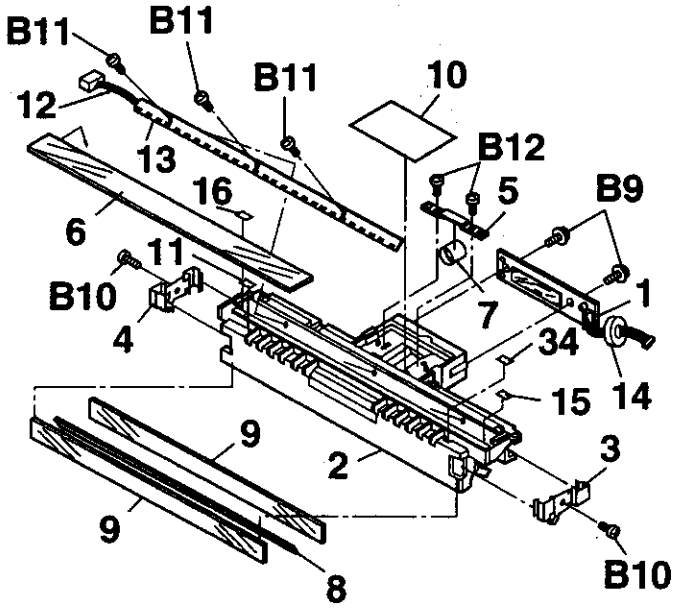
1 Cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
3	GCABA2261SCZB	AV	N	D	Upper cabinet
4	GCABC2263SCZD	AZ	N	D	Lower cabinet [TH/GU]
	GCABC2263SCZC	AZ	N	D	Lower cabinet [SG/GH]
5	LANGF2805SCZZ	AE	N	C	Printer bracket
6	LBSHP2066SCZZ	AC	N	C	Bearing
7	LBSHP2067SCZZ	AC	N	C	Bearing
8	MLEVP2195SCZZ	AD	N	C	Front sensor lever
9	MLEVP2196SCZZ	AD	N	C	Document sensor lever
10	MSPRD2750SCZZ	AB	N	C	Document sensor lever spring
11	MSPRD2761SCZZ	AB	N	C	Front sensor lever spring
12	MSPRP2687SCZZ	AC	N	C	Pinch spring 2
13	NGERH2204XHZZ	AM		C	Paper feed gear
15	NRŌLP2249XHZZ	AE		C	Pinch roller 2
16	NRŌLR2317SCZZ	AK	N	C	Transfer roller 1
17	NRŌLR2319SCZZ	AM	N	C	Paper feed roller
19	PSHEZ3147SCZZ	AD	N	C	Insulation sheet
20	PSHEZ3148SCZZ	AE	N	C	Sheet
22	GDAi-2072SCZB	AN	N	C	Handset cover
23	MLEVP2198SCZB	AD	N	C	Hook switch lever
38	LPLTG2707SCZZ	AE		C	Rubber, separator
39	LPLTP2703XHZZ	AC		C	Separator plate
40	MLEVP2197SCZZ	AH	N	C	Release lever
41	MSPRC2692SCZZ	AB	N	C	Pinch roller spring
42	MSPRC2791SCZZ	AC	N	C	Panel up spring
43	MSPRC2798SCZZ	AC	N	C	Separator spring
44	MSPRP2752SCZZ	AD	N	C	Paper feed spring
45	MSPRP2753SCZZ	AD	N	C	Earth sheet
46	MSPRT2751SCZZ	AB	N	C	Release lever return spring
47	NGERH2207XHZZ	AD		C	Transfer gear 2
48	NRŌLP2300XHZZ	AC		C	Pinch roller
49	NRŌLR2318SCZZ	AK	N	C	Transfer roller
50	NSFTZ2252SCZZ	AC		C	Pinch roller shaft
51	PBRS-2046SCZZ	AE	N	C	Electro-static discharger brush
52	PGiDP2424SCZZ	AX	N	C	Document guide upper
53	PSHEZ3120SCZZ	AC	N	C	Rear sheet
54	QCNW-4425SCZZ	AD	N		Earth cable
55	LPLTP2747SCZZ	AL	N	C	Shading plate
56	PGiDP2427SCZZ	AR	N	C	FD guide
57	LPLTM2752SCZZ	AC	N	C	Motor heat sink
58	LPLTP2746SCZZ	AH	N	C	Motor plate
59	NGERH2201XHZA	AG		C	Idler gear 6
60	NGERH2240XHZZ	AC		C	Reduction gear
61	NGERH2261XHZZ	AC		C	Slowdown gear
62	RMŌTZ2118SCZZ	AV	N	B	Transfer motor
63	DCEKC086HSCZZ	CD	N	E	Control PWB unit (Within ROM) [TH]
	DCEKC088HSCZZ	CD	N	E	Control PWB unit(Within ROM) [GU]
	DCEKC084HSCZZ	CD	N	E	Control PWB unit(Within ROM) [SG]
	DCEKC087HSCZZ	CD	N	E	Control PWB unit(Within ROM) [GH]
64	DCEKK437ASC02	BQ	N	E	PCU PWB unit
⚠ 65	QACCV662AXHZZ	AZ		B	AC cord [TH/GU/GH]
⚠	QACCF732ASCZZ	AZ		E	AC cord [SG]
66	GLEGG2026SCZZ	AA		C	Rubber foot
67	LBNDJ2006SCZZ	AA		C	Band (GT-100M)
68	LPLTM2745SCZZ	AV	N	C	Bottom plate
69	PSHEZ3119SCZZ	AE	N	C	Insulation sheet
70	PSHEZ3169SCZZ	AC	N	C	Insulation sheet
71	PSPAZ2208SCZZ	AC	N	C	PWB spacer
⚠ 73	RDENT2092XHZZ	BS	N	E	Power supply PWB unit
74	CPNLC2360SC57	BN	N	E	Operation panel unit
75	QCNW-4424SCZZ	AR	N	C	Panel cable
77	CRŌLP2320SC01	AL	N	C	Pinch roller ass'y
78	DCEKL436ASC02	BN	N	E	TEL-Liu PWB unit [TH]
	DCEKL436ASC03	BN	N	E	TEL-Liu PWB unit [GU]
	DCEKL459ASC19	BN	N	E	TEL-Liu PWB unit [SG]
	DCEKL459ASC20	BN	N	E	TEL-Liu PWB unit [GH]
79	GCABB2262SCZB	AT	N	D	Document guide lower
80	LBNDJ2009SCZZ	AA		C	Band (140mm)
81	PCŌVP2102SCZZ	AG	N	C	ROM cover
⚠ 82	RCŌRF2063SCZZ	AE		B	Core (TRA20)
86	PSHEZ3183SCZZ	AC	N	C	Paper feed guide sheet
87	PMLT-2007SCZZ	AC	N	C	Cushion A
88	PMLT-2008SCZZ	AC	N	C	Cushion B
91	PSHEZ3189SCZZ	AD	N	C	Speaker sheet
92	PSHEZ3149SCZZ	AD	N	C	UK jack sheet [SG/GH]
93	LBNDJ2007SCZZ	AA		C	Band
94	PSHEZ3187SCZZ	AC	N	C	Printer sheet A
95	PSHEZ3188SCZZ	AD	N	C	Printer sheet B
96	PSHEZ3125SCZZ	AB	N	C	Jack sheet
98	DCEKF459ASC02	AU	N	C	Hook switch PWB unit
99	PFLT-2011SCZZ	AA	N	C	Felt

2 Upper cabinet



3 Optical unit



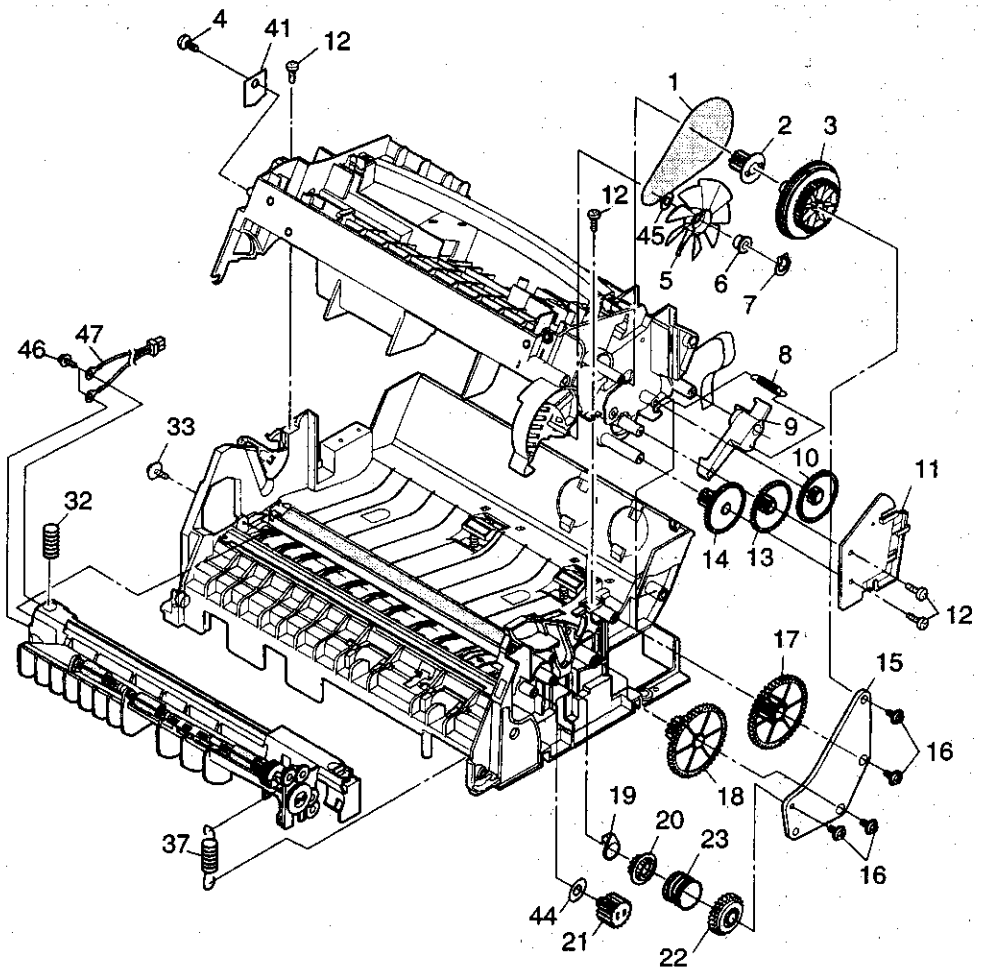
2 Upper cabinet

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DCEKP434ASC01	BC	N	E	Operation panel PWB unit
2	GCASP2072SCZE	AU	N	D	Panel case
3	JBTN-2151SCZZ	AE	N	C	Start key
4	JBTN-2152SCZB	AD	N	C	Copy key
5	JBTN-2153SCZZ	AD	N	C	Stop key
6	JBTN-2154SCZB	AK	N	C	12 key
7	JBTN-2155SCZB	AE	N	C	Direct key
8	JBTN-2156SCZB	AD	N	C	Mode key
9	JKNBP2068SCZB	AD	N	C	Release knob
10	MSPRC2796SCZZ	AC	N	C	Hopper spring
11	NGERP2287SCZZ	AC	N	C	Pinion gear
12	PGiDM2428SCBL	AF	N	C	Hopper guide, left
13	PGiDM2428SCBR	AF	N	C	Hopper guide, right
14	HPNLC2360SCZB	AG	N	C	Decoration panel
15	PSHEZ3174SCZZ	AC	N	C	LCD sheet
	(Unit)				
901	CPNLC2360SC57	BN	N	E	Operation panel unit

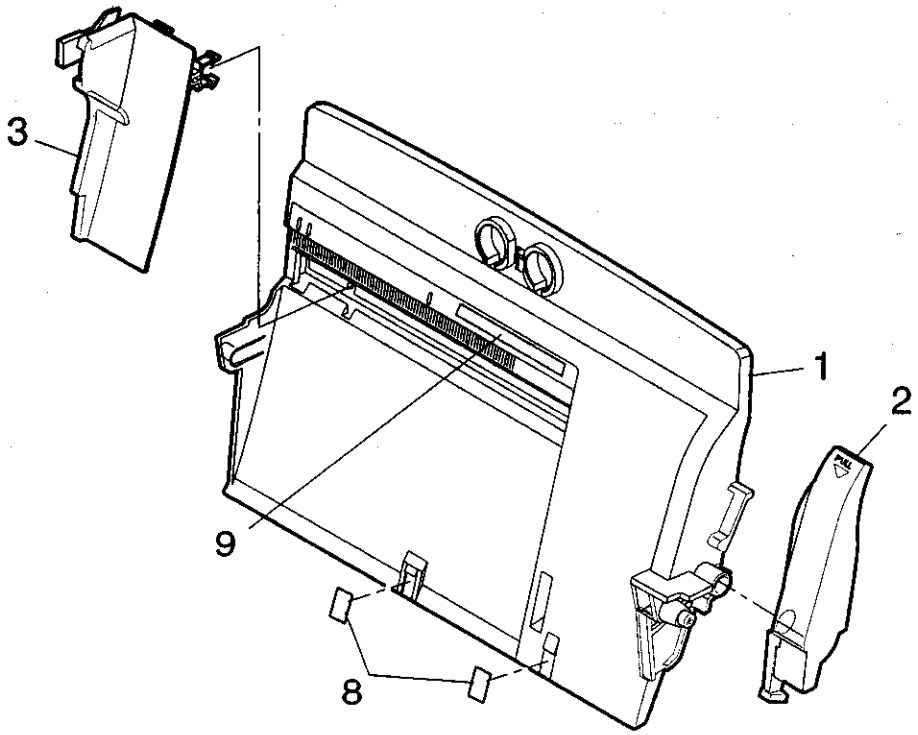
3 Optical unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DCEKD333ASC02	BG	N	E	CCD PWB unit
2	LFRM-2147XHYA	AV		C	Optical frame
3	MSPRP2618SCZZ	AD		C	Mirror spring 1
4	MSPRP2619SCZZ	AD		C	Mirror spring 2
5	MSPRP2512SCZZ	AB		C	Lens holding spring
6	PGLSP2043SCZZ	AF		C	Reader glass
7	PLNS-2043XHZZ	AU		B	Lens
8	PMiR-2061SCZZ	AG		C	Mirror 1
9	PMiR-2062SCZZ	AH		C	Mirror 2
10	PSHEZ3126SCZZ	AC	N	C	Shading sheet
11	PSHEZ3129SCZZ	AB	N	C	Dustproof sheet
12	QCNW-4421SCZZ	AD	N	C	LED cable
13	VHPSNK08B24-1	AU		B	LED
⚠14	RCORF2064SCZZ	AE		B	Core (TRA31)
15	PSHEZ3190SCZZ	AB	N	C	Blind sheet A
16	PSHEZ3191SCZZ	AB	N	C	Blind sheet B

4 General



5 Exteriors



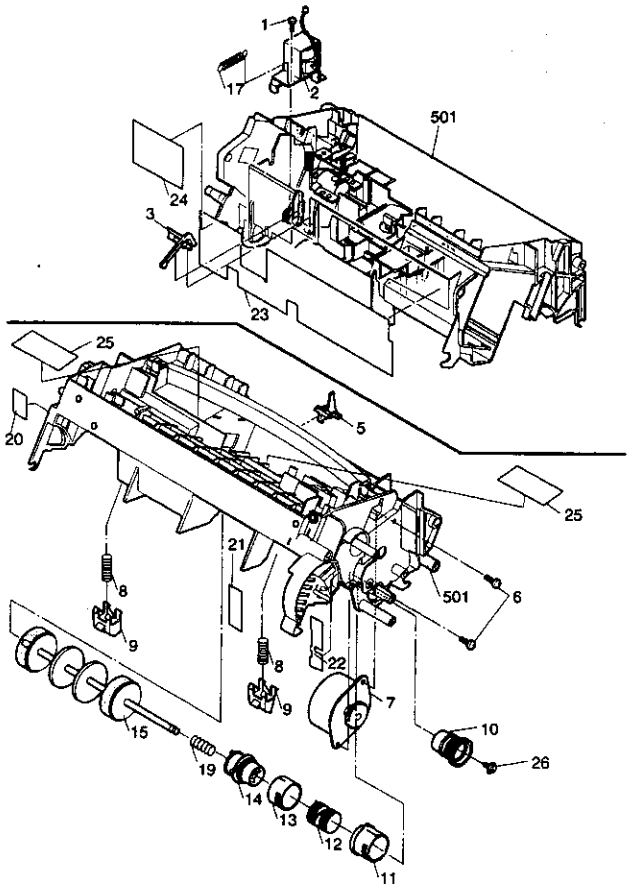
4 General

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NBLTH0008GCZ1	AG	N	C	Fan belt
2	NGERH0076GCZZ	AC		C	DV−I−gear B
3	NGERH0075GCZ1	AF	N	C	DV−I−gear A
5	NFANP0003GCZZ	AF		C	Cooling fan
6	NBRGP0031GCZZ	AC		C	Fan bearing
7	PRNGP0026FCZZ	AA		C	G ring
8	MSPRC0139GCZZ	AC		C	Lock lever spring
9	MLEVP0041GCZZ	AC		C	Tray lock lever
10	NGERH0094GCZZ	AC		C	PU idle gear A
11	PCÖVP0046GCZ1	AC	N	C	PU gear cover
12	XEBSD30P08000	AA		C	Screw (M3×8)
13	NGERH0095GCZZ	AD		C	PU idle gear B
14	NGERH0096GCZZ	AC		C	PU idle gear C
15	LPLTM0159GCZZ	AD		C	Gear plate
16	XEPSD30P08X00	AA		C	Screw (M3×8)
17	NGERH0071GCZZ	AC		C	Motor idle gear
18	NGERH0072GCZZ	AD		C	DR idle gear A
19	MLEVP0037GCZZ	AB		C	FU clutch lever
20	NGERH0078GCZZ	AC		C	FU clutch gear B
21	NGERH0074GCZZ	AC		C	FU idle gear
22	NGERH0077GCZZ	AC		C	FU clutch gear A
23	MSPRC0135GCZZ	AB		C	FU clutch spring
32	MSPRC0143GCZ1	AA	N	C	FU spring
33	LX−UZ3006NCZZ	AA		C	Screw (M3×6(ZMC3A))
37	MSPRT0229GCZZ	AC	N	C	Fusing spring−R
41	LSUPP0006GCZZ	AD		C	CAB−SPRT−L
44	LX−WZ1013HCZZ	AA		C	Washer
45	LX−WZ2021SCZZ	AA		C	Washer
46	XBPSN30P06K00	AB		C	Screw
47	QCNW−4428SCZZ	AF	N	C	Heater cable

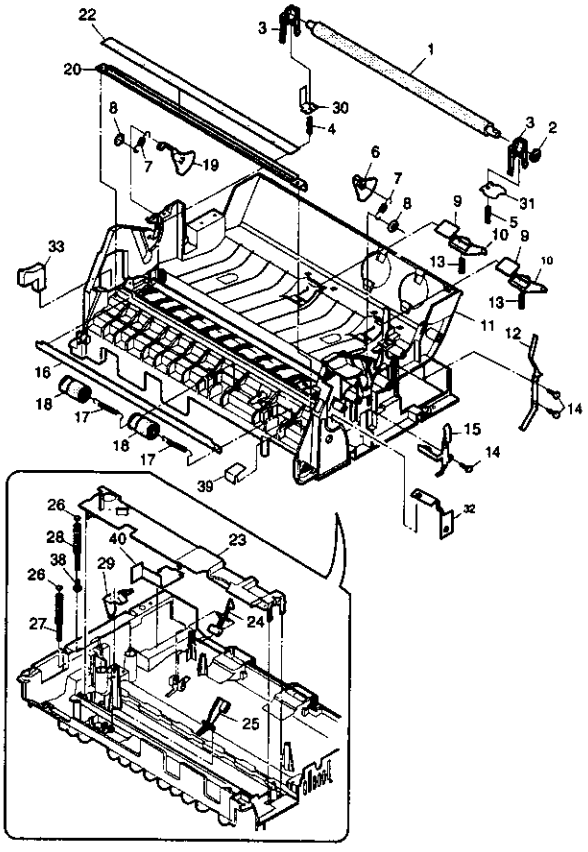
5 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LSÖU−0007GCZ1	AQ	N	C	PU tray
2	MLEVP0043GCZ1	AF	N	C	Tray release lever
3	PGiDM0046GCZ1	AE	N	C	P−tray guide
8	PSHEP0162GCZZ	AC		C	Tray FR sheet
9	TLABZ0202GCZ2	AD	N	D	Size label

6 Upper frame section



7 Lower frame section



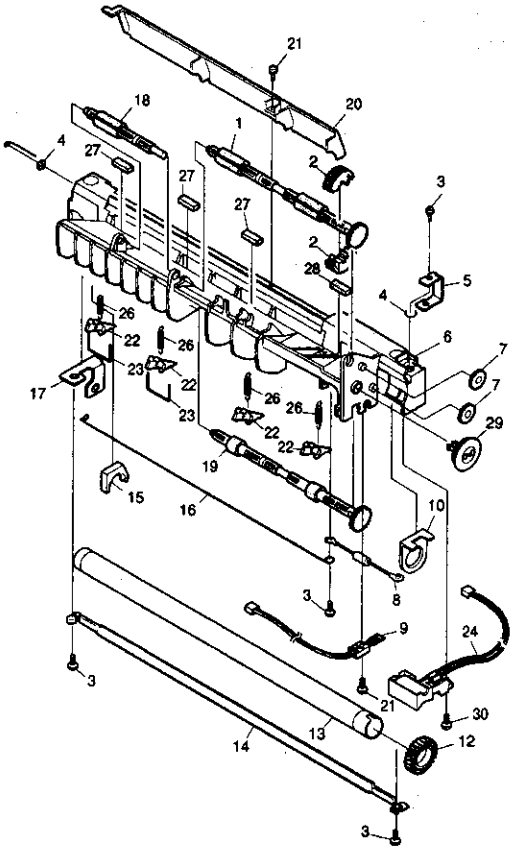
6 Upper frame section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	XEBSD30P08000	AA		C	Screw (M3×8)
2	RPLU-0003GCZ1	AM	N	B	PU solenoid
3	MLEVP0042GCZZ	AC		C	PE lever
5	MLEVP0046GCZZ	AE		C	Sleeve release lever
6	XHBSD30P06000	AA		C	Screw (M3×6)
7	RMOTN0023GCZZ	AX	N	B	M motor
8	MSPRC0159GCZZ	AC	N	C	DV fixing spring
9	LFiX-0003GCZZ	AC		C	DV fixer
10	NGERH0080GCZZ	AE		C	PU roller gear
11	PPiPP0003GCZ1	AC	N	C	PU clutch sleeve
12	MSPRT0137GCZZ	AD		C	PU clutch spring
13	PPiPP0006GCZ1	AC	N	C	R sleeve
14	LBOSZ0058GCZZ	AE		C	PU roller boss
15	NROLP0056GCZ1	AR	N	C	PU roller
17	MSPRC0159GCZZ	AC		C	Lever release spring
18	PSHEP0157GCZZ	AC	N	C	Upper frame sheet
19	MSPRC0224GCZZ	AB	N	C	CL-SPPRT spring
20	PSHEP0165GCZZ	AB	N	C	Shading sheet D
21	PSHEP0166GCZZ	AC	N	C	Shading sheet C
22	PSHEP0163GCZZ	AC	N	C	Shading sheet A
23	PSHEP0164GCZZ	AK		C	Shading sheet B
24	PSHEP0171GCZZ	AF		C	Shading sheet E
25	TLABZ0205GCZZ	AC	N	D	Laser caution label
26	LX-BZ0187FCZZ	AA	N	C	Screw (3×6)
501	CFRM-0029GC80	BU	N	E	Upper frame unit

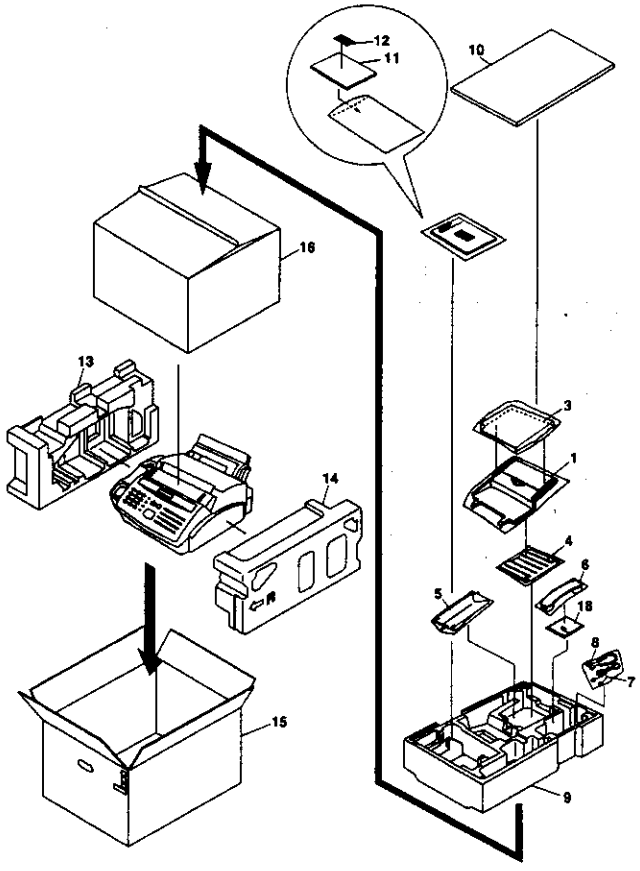
7 Lower frame section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NROLP0060GCZ1	AY	N	C	TR roller
2	NGERH0082GCZ1	AC	N	C	TR gear
3	NBRGP0032GCZZ	AC		C	TR bearing R
4	MSPRC0155GCZ1	AB	N	C	TR spring L
5	MSPRC0142GCZ1	AB	N	C	TR spring R
6	MLEVP0038GCZZ	AC		C	DR lock lever R
7	MSPRP0158GCZZ	AC		C	DR lock spring
8	LX-WZ0044FCZZ	AA		C	Washer (CS-3)
9	PSHEG0113GCZ1	AF	N	C	Separate sheet → ?
10	LPLTP0162GCZ1	AD	N	C	Separate plate
11	LFRM-0027GCZZ	AX		C	Lower frame
12	QSLP-0032GCZZ	AD		C	DV terminal
13	MSPRT0138GCZ1	AB	N	C	Separate spring
14	XEBSD30P08000	AA		C	Screw (M3×8)
15	QSLP-0028GCZZ	AE		C	Earth terminal
16	LPLTM0163GCZZ	AE		C	Discharger plate
17	MSPRT0141GCZ1	AC	N	C	FU-PSV spring
18	NROLP0059GCZZ	AC	N	C	FU-PSV roller
19	MLEVP0039GCZZ	AC		C	DR lock lever L
20	LPLTM0027GCZZ	AC	N	C	FU plate
22	PSHEP0115GCZ1	AK	N	C	FU sheet
23	PCASZ0019GCZZ	AF		C	Fan duct A
24	MLEVP0040GCZZ	AC		C	P-IN lever
25	MLEVP0045GCZZ	AC		C	PO actuator
26	PCOVP0038GCZZ	AA		C	Terminal cover
27	MSPRC0133GCZ1	AC	N	C	MC terminal spring
28	MSPRC0132GCZ2	AC	N	C	DV terminal spring
29	MSPRC0134GCZZ	AD		C	TR terminal spring
30	PSHEP0151GCZZ	AD	N	C	TR sheet L
31	PSHEP0150GCZZ	AC	N	C	TR sheet R
32	PSHEP0158GCZZ	AD	N	C	FU-GND-sheet
33	PSPAZ0026GCZZ	AD	N	C	FU-UND-bearing
38	XEBSN30P16000	AB	N	C	Screw
39	PSHEP0168GCZZ	AD	N	C	Harness fixing sheet B
40	PSHEZ3134SCZZ	AE	N	C	Cable cover

8 Fusing section



9 Packing material & Accessories



8 Fusing section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	NRÖLP0057GCZZ	AG		C	PO roller
2	JKNBZ0004GCZZ	AC		C	FU knob
3	XBPSN30P05K00	AA		C	Screw (3×5K)
4	XNGSN30-18000	AC	N	C	Nut (M3)
5	QSLP-0029GCZZ	AD		C	FU terminal
6	PCÖVP0048GCZZ	AV	N	C	FU cover
7	NGERH0097GCZZ	AC	N	C	FD idle gear
8	QFS-T0005GCZZ	AQ	N	B	#1 Fuse
9	RDTCT0019GCZZ	AP	N	B	Thermistor
10	NBRGC0035GCZ1	AE	N	C	FU bearing R
12	NGERH0083GCZZ	AC		C	Fusing gear (27T)
13	NRÖLM0061GCZ1	AT	N	C	Heat roller
14	RLMPU0011GCZ1	AX	N	B	Heater lamp
15	NBRGC0034GCZ1	AD	N	C	FU bearing L
16	PBARM0001GCZ1	AE	N	C	FU-AC cord
17	QSLP-0030GCZZ	AD		C	FU AC terminal C
18	NRÖLP0066GCZZ	AG	N	C	PO roller-L
19	NRÖLP0095GCZZ	AH	N	C	PO roller-N
20	PCÖVP0072GCZZ	AG	N	C	FU cover A
21	XEBSE30P10000	AA		C	Screw (M3×10)
22	PTME-0020GCZZ	AG	N	C	Separate N
23	MSPRD0227GCZZ	AC	N	C	Separate spring-A
24	QFS-T0006GCBZ	AN	N	C	#2 Fuse ass'y
26	MSPRT0228GCZZ	AB	N	C	Separator spring-B
27	PMLT-0054GCZZ	AB	N	C	FU cushion B
28	PMLT-0053GCZZ	AB	N	C	FU cushion A
29	NGERH0098SCZZ	AD	N	C	Idle gear
30	XEBSD30P08000	AA		C	Screw
31	PSHEP0167GCZZ	AC	N	C	Wire sheet
	(Unit)				
901	DUNTW0100GC13	BG	N	E	Fusing unit

9 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	CPLTP2748SC04	AS	N	C	Paper tray with extend paper tray
3	LPLTP2750SCZZ	AN	N	C	Paper tray cover
4	LPLTP2751SCZZ	AH	N	C	Received document support
5	LPLTP2773SCZZ	AG	N	C	Original document support
⚠ 6	DUNTK4925XHW2	AY		E	Handset
7	QCNW-3975XHGY	AG		C	Telephone line cord
8	QCNW-3976XHÖG	AT		C	Handset cord
9	SPAKA4644SCZZ	AN	N	D	Add.,accessories
10	SPAKA4645SCZZ	AE	N	D	Pad,accessories
11	TiNST3575SCZZ	AW	N	D	Operation manual [TH]
	TiNSE3573SCZZ	AT	N	D	Operation manual [GU/SG/GH]
12	TLABH3775SCZA	AE	N	D	Rapid key labels
13	SPAKA4646SCZZ	AL	N	D	Add.,left
14	SPAKA4647SCZZ	AK	N	D	Add.,right
15	SPAKC4701SCZZ	AX	N	D	Packing case
16	SPAKP4381XHZZ	AG		D	Vinyl cover

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
⚠ 1	UBATL2034SCZZ	AH		B	Battery (CR2450THD)	[BAT1]
2	VCEAEA1CW476M	AA		C	Capacitor (16WV 47μF)	[C1]
3	VCEAEA1CW336M	AB		C	Capacitor (16WV 33μF)	[C3]
4	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C4]
5	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C5]
6	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C6]
7	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C9]
8	VCEAEA1EW475M	AA		C	Capacitor (25WV 4.7μF)	[C10]
9	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C11]
10	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C12]
11	VCEAEA1CW106M	AC	N	C	Capacitor (16WV 10μF)	[C13]
12	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C101]
13	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C102]
14	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C103]
15	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C104]
16	VCCCTV1HH101J	AA		C	Capacitor (50WV 100PF)	[C106]
17	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C107]
18	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C108]
19	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C109]
20	VCKYTV1HB472K	AA		C	Capacitor (50WV 4700PF)	[C111]
21	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C112]
22	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C113]
23	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C114]
24	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C115]
25	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C116]
26	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C117]
27	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C119]
28	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C121]
29	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C122]
30	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C123]
31	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C124]
32	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF)	[C125]
33	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C126]
34	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C127]
35	VCKYTQ1CF225Z	AC	N	C	Capacitor (16WV 2.2μF)	[C128]
36	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C129]
37	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C130]
38	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF)	[C131]
39	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C135]
40	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C136]
41	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C137]
42	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C138]
43	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C139]
44	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C141]
45	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C142]
46	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C143]
47	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C145]
48	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C146]
49	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C147]
50	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C148]
51	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C149]
52	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C150]
53	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C151]
54	VCCSTV1HL391J	AA		C	Capacitor (50WV 390PF)	[C152]
55	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C153]
56	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C154]
57	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C155]
58	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C156]
59	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C157]
60	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C158]
61	VCKYTV1CF105Z	AB		C	Capacitor (16WV 1.0μF)	[C159]
62	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C160]
63	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C161]
64	VCKYTQ1CF105Z	AE	N	C	Capacitor (16WV 1.0μF)	[C162]
65	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C163]
66	VCKYTV1HB681K	AA		C	Capacitor (50WV 680PF)	[C164]
67	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C165]
68	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C166]
69	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C167]
70	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C168]
71	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C169]
72	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C170]
73	VCCSTV1HL102J	AA		C	Capacitor (50WV 1000PF)	[C171]
74	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C173]
75	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C174]
76	VCKYTQ1CF105Z	AE	N	C	Capacitor (16WV 1.0μF)	[C176]
77	VCCCTV1HH330J	AA		C	Capacitor (50WV 33PF)	[C177]
78	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C178]
79	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C179]
80	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C180]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
81	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C182]
82	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C183]
83	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C185]
84	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C186]
85	VCCCTV1HH330J	AA		C	Capacitor (50WV 33PF)	[C187]
86	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C188]
87	VCKYTV1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C189]
88	VCCCTV1HH180J	AA		C	Capacitor (50WV 18PF)	[C190]
89	QCNCM7014SC0G	AB		C	Connector (7pin)	[CNCCD]
90	QCNCM2465SC3J	AF		C	Connector (30pin)	[CNDRM]
91	QCNCM2401SC0B	AA		C	Connector (2pin)	[CNLED]
92	QCNCM2456SC2F	AG		C	Connector (26pin)	[CNLIU] [TH/GU]
	QCNCM2456SC3B	AH		C	Connector (32pin)	[CNLIU] [SG/GH]
93	QCNCW690MAFZZ	AD	N	C	Connector (12pin)	[CNPCU]
94	QCNCM2482SC2B	AE		C	Connector (22pin)	[CNPNL]
95	QCNCW690KAFZZ	AD	N	C	Connector (10pin)	[CNPW]
96	QCNCM7014SC0F	AB		C	Connector (6pin)	[CNTXM]
97	VHDDAP202U//-1	AB		B	Diode (DAP202U)	[D101]
98	VHDRB400D//-1	AC		B	Diode (RB400D)	[D102]
99	VHD1SS355//-1	AB	N	B	Diode (1SS355)	[D103]
100	VHD1SS355//-1	AB	N	B	Diode (1SS355)	[D104]
⚠ 101	VHViCPN20//-1	AD		B	IC protector (ICP-N20)	[FU1]
	QSOCZ2051SC32	AC		C	IC socket (32pin)	[IC1]
	VHi27020FEE0B	BA		B	IC (27C020FEE0B)	[IC1] [TH]
102	VHi27020FEC0A	BA		B	IC (27C020FEC0A)	[IC1] [GU]
	VHi27020FEA0B	BA		B	IC (27C020FEA0B)	[IC1] [SG]
	VHi27020FED0D	BA		B	IC (27C020FED0D)	[IC1] [GH]
104	QSOCZ6428ACZZ	AE		C	IC socket (28pin)	[IC2]
105	VHi27512FHH0E	BL	N	B	IC (27512FHH0B)	[IC2]
106	VHiULN2003ANS	AE		B	IC (ULN2003ANS)	[IC3]
107	VHiLB1730//-1	AH		B	IC (LB1730)	[IC4]
108	VHiPQ12RF1/-1	AG		B	IC (PQ12RF1)	[IC5]
109	VHiZ80180008FS	AV		B	IC (Z80180)	[IC6]
110	VHiZ80180008FS	AV		B	IC (Z80180)	[IC7]
111	VHiM5255CF70L	AW	N	B	IC (M5M5255CFP70L)	[IC8]
112	VHiTLS1019/-1	AU	N	B	IC (TLS1019)	[IC9]
113	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC11]
114	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC12]
115	VHiR96DFXL/-1	BL		B	IC (R96DFXL)	[IC13]
116	VHiMB42560A70/	AZ	N	B	IC (MB42560A70)	[IC14]
117	VHiLR38271///	AY	N	B	IC (LR38271)	[IC16]
118	VHiLZ9FJ32/-1	AY	N	B	IC (LZ9FJ32)	[IC17]
119	VHiLH5268TH10	AR		B	IC (LH5268TH10)	[IC18]
120	VHiHM514800J8	BG		B	IC (HM514800AJ8)	[IC19]
121	VHiHM514800J8	BG		B	IC (HM514800AJ8)	[IC20]
122	VHiNJU6355E-1	AM	N	B	IC (NJU6355E)	[IC21]
123	VHiPST591CMT1	AE	N	B	IC (PST591C)	[IC102]
124	VHiNJM4558F-1	AD		B	IC (NJM4558)	[IC103]
125	VHiNJM2903M-1	AD	N	B	IC (NJM2903)	[IC104]
126	VHiNJM2904M-1	AE	N	B	IC (NJM2904)	[IC105]
127	VHi74HCU04F-1	AC		B	IC (74HCU04F)	[IC106]
128	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L101]
129	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L102]
130	RCiLZ2104SCZZ	AK	N	C	Coil (Z2104)	[L103]
131	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L104]
132	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L105]
133	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L106]
134	RCiLZ1044CCZZ	AC		C	Coil (Z1044)	[L107]
135	RCORF2098SCZZ	AE	N	C	Coil	[L108]
136	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[L109]
139	VHPRPi-574///	AF	N	B	Photo transistor (RPI-574)	[PC1]
140	VHPRPi-574///	AF	N	B	Photo transistor (RPI-574)	[PC2]
141	VS2SC2412KS-1	AB		B	Transistor (2SC2412KS)	[Q101]
142	VRD-HT2HY331J	AA		C	Resistor (1/2W 330Ω ±5%)	[R1]
143	VRD-HT2HY331J	AA		C	Resistor (1/2W 330Ω ±5%)	[R2]
144	VRS-TP2BD561J	AA		C	Resistor (1/8W 560Ω ±5%)	[R101]
145	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R102]
146	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R103]
147	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R104]
148	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R105]
149	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R106]
150	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R107]
151	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R108]
152	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R109]
153	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R111]
156	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R114]
157	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R115]
158	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R116]
159	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R117]
160	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R118]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
161	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R119]
162	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R120]
163	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R121]
164	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R122]
165	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R123]
166	VRS-TS2AD152J	AA		C	Resistor (1/10W 1.5KΩ ±5%)	[R128] [TH/GU]
	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R128] [SG/GH]
167	VRS-TS2AD471J	AA		C	Resistor (1/10W 470Ω ±5%)	[R129]
168	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R130]
169	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R131] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R131] [SG/GH]
170	VRS-TS2AD103J	AA		C	Resistor (1/10W 3KΩ ±5%) (1/10W 10KΩ ±5%)	[R132] [TH/GU]
	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R132] [SG/GH]
171	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R134]
172	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R136]
173	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R137]
174	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R139]
175	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R140]
176	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R141]
177	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R142]
178	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R143]
179	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R144]
180	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R145]
181	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R146]
182	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R147]
183	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R148]
184	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R149]
185	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R152]
186	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R153]
187	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R155]
188	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R156]
189	VRS-TS2AD.000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R157]
190	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R158]
191	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R159]
192	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R160]
193	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R161]
194	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R162]
195	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R163]
196	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R165]
197	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R167]
198	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R170]
199	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R171]
200	VRS-TS2AD432J	AA	N	C	Resistor (1/10W 4.3KΩ ±5%)	[R172]
201	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R173]
202	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R175]
203	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R177]
204	VRSTS2AD8662F	AA		C	Resistor (1/10W 86.6KΩ ±1%)	[R183]
205	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R184]
206	VRS-TS2AD622J	AA		C	Resistor (1/10W 6.2KΩ ±5%)	[R185]
207	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R186]
208	VRS-TS2AD3R0J	AA		C	Resistor (1/10W 3.0Ω ±5%)	[R187]
209	VRSTS2AD1742F	AA	N	C	Resistor (1/10W 17.4KΩ ±1%)	[R188]
210	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R189]
211	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R191]
212	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R192]
213	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R193]
214	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R194]
215	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R195]
216	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R196]
217	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R197]
218	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R198]
219	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R199]
220	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R200]
221	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R201]
222	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R202]
223	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R206]
224	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R207]
225	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R208]
226	VRSTS2AD4752F	AA		C	Resistor (1/10W 47.5KΩ ±1%)	[R209]
227	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R210]
228	VRSTS2AD1183F	AA	N	C	Resistor (1/10W 118KΩ ±1%)	[R211]
229	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R212]
230	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R213]
231	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R215]
232	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R216]
233	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R217]
234	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R218]
235	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R219]
236	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R220]
237	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R221]

10 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
238	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R222]
239	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R223]
240	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R224]
241	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R225]
242	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R226]
243	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R227]
244	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R228]
245	VRS-TS2AD101J	AA		C	Resistor (1/10W 100Ω ±5%)	[R229]
246	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R230]
247	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R231]
248	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R232]
249	VRSTS2AD8662F	AA		C	Resistor (1/10W 86.6KΩ ±1%)	[R233]
250	VRS-TS2AD302J	AA		C	Resistor (1/10W 3.0KΩ ±5%)	[R234]
251	VRS-TS2AD105J	AA		C	Resistor (1/10W 1.0MΩ ±5%)	[R237]
252	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R238]
253	VRS-TS2AD3R0J	AA		C	Resistor (1/10W 3.0Ω ±5%)	[R239]
254	VRS-TS2AD511J	AA		C	Resistor (1/10W 510Ω ±5%)	[R240]
255	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R242]
256	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R243]
257	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R244]
258	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R245]
259	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[R246]
260	VRS-TS2AD820J	AA		C	Resistor (1/10W 82Ω ±5%)	[R247]
261	VRS-TP2BD201J	AA		C	Resistor (1/8W 200Ω ±5%)	[R248]
262	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R249]
263	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R250]
264	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R251]
265	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R252]
266	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R253]
267	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R256]
268	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R257]
269	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R258]
270	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R259]
271	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R260]
272	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R261]
273	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R262]
274	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R264]
275	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R265]
276	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R266]
277	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R267]
278	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R268]
279	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R269]
280	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R270]
281	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R271]
282	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R272]
283	VRS-TS2AD271J	AA		C	Resistor (1/10W 270Ω ±5%)	[R273]
284	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R274]
285	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R275]
286	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R276]
287	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R277]
288	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R278]
289	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R279]
290	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R280]
291	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R281]
292	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R282]
293	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R283]
294	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R284]
295	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R285]
296	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R293]
297	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R294]
298	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R295]
299	VRS-TS2AD100J	AA		C	Resistor (1/10W 10Ω ±5%)	[R296]
300	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R299]
301	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R301]
302	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R303]
303	VRS-TS2AD152J	AA		C	Resistor (1/10W 1.5KΩ ±5%)	[R304]
317	QSWHXW5000///	AE	N	B	Switch (HXW500)	[SW2]
318	RCRSZ7008SCZZ	AD		B	Crystal (16MHz)	[X1]
319	RCRSP2106SCZZ	AG	N	B	Crystal (15.710919MHz)	[X3]
320	RCRSQ2056SCZZ	AG		B	Crystal (24.00014MHz)	[X4]
321	RCRSP0074AFZZ	AE		B	Crystal (32.768kHz)	[X6]
322	TLABP3078SCZZ	AA		D	Shading label (for EP-ROM)	
	(Unit)					
901	DCEKC086HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[TH]
	DCEKC088HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[GU]
	DCEKC084HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[SG]
	DCEKC087HSCZZ	CD	N	E	Control PWB unit (Within ROM)	[GH]

11 TEL-Liu PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	VHVDSS401M/-1	AG	N	B	Varistor	[AR1] [TH/GU]
	VHVSR3YP600A1	AM		B	Varistor	[AR1] [SG]
	VHVT83A350/-1	AM		B	Varistor	[AR1] [GH]
2	QTANN2047SCZZ	AC		C	Terminal	[ARG]
3	QCNW-4489SCZZ	AD	N	C	Cable	[ARG1] [TH/GU]
4	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C1] [SG/GH]
5	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C2] [TH/GU]
6	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C3] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C3] [SG/GH]
7	VCEAEA1AW336M	AA		C	Capacitor (50WV 3.3μF)	[C4] [SG/GH]
8	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C5] [TH/GU]
	VCEAEA1HW106M	AA		C	Capacitor (50WV 10μF)	[C5] [SG/GH]
9	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C6] [TH/GU]
10	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C7] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C7] [SG]
	VCKYPU1HB822K	AB		C	Capacitor (50WV 8200PF)	[C7] [GH]
11	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C8] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C8] [SG/GH]
12	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C9] [TH/GU]
	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C9] [SG/GH]
13	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C10] [SG/GH]
14	VCEAEA1HW334M	AA	N	C	Capacitor (50WV 0.33μF)	[C11] [TH/GU]
	VCEAEA0JW107M	AA		C	Capacitor (6.3WV 100μF)	[C11] [SG/GH]
15	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C12] [TH/GU]
16	RC-FZ2021SCZZ	AC		C	Capacitor (250WV 0.82μF)	[C13] [TH/GU]
17	VCFYJU2EA474K	AD		C	Capacitor (250WV 0.47μF)	[C14] [SG/GH]
18	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C15] [TH/GU]
19	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033μF)	[C16] [TH/GU]
20	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C17] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C17] [SG/GH]
21	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C18] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C18] [SG/GH]
22	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C19] [TH/GU/GH]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C19] [SG]
23	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C20] [TH/GU]
24	VCEAEA1EW476M	AB		C	Capacitor (25WV 47μF)	[C21] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C21] [SG/GH]
25	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C22] [TH/GU]
	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C22] [SG/GH]
26	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C23] [TH/GU]
	VCEAGA1EW107M	AB		C	Capacitor (25WV 100μF)	[C23] [SG/GH]
27	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C24] [TH/GU]
28	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C25] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C25] [SG/GH]
29	VCEAEA1HW225M	AA		C	Capacitor (50WV 2.2μF)	[C26] [TH/GU]
	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C26] [SG/GH]
30	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C27] [TH/GU]
31	VCEAEA1HW475M	AA		C	Capacitor (50WV 4.7μF)	[C28] [TH/GU]
32	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033μF)	[C29] [TH/GU]
33	VCEAEA1HW105M	AC		C	Capacitor (50WV 1.0μF)	[C30] [TH/GU]
34	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C31] [TH/GU]
35	VCEAEA1HW104M	AB	N	C	Capacitor (50WV 0.10μF)	[C32] [TH/GU]
36	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C101] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C101] [SG/GH]
37	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C102]
38	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C103] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF)	[C103] [SG]
39	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C104] [TH/GU]
	VCKYTQ1HB123K	AC		C	Capacitor (50WV 0.012μF)	[C104] [SG]
	VCKYTQ1HB563K	AA		C	Capacitor (50WV 0.056μF)	[C104] [GH]
40	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C105] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C105] [SG/GH]
41	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C106] [TH/GU]
	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200PF)	[C106] [SG/GH]
42	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C107] [TH/GU]
	VCKYTV1HB562K	AA		C	Capacitor (50WV 5600PF)	[C107] [SG/GH]
43	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200pF)	[C108] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C108] [SG/GH]
44	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C109] [TH/GU]
	VCCCTV1HH221J	AA		C	Capacitor (50WV 220PF)	[C109] [SG]
	VCKYTV1HB221K	AA		C	Capacitor (50WV 220PF)	[C109] [GH]
45	VCKYTV1HB152K	AA		C	Capacitor (50WV 1500PF)	[C110] [TH/GU]
	VCKYTV1HB472K	AA		C	Capacitor (50WV 4700PF)	[C110] [SG/GH]
46	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C111] [TH/GU]
	VCKYTV1HB183K	AA		C	Capacitor (50WV 0.018μF)	[C111] [SG/GH]
47	VCKYTV1HB221K	AA		C	Capacitor (50WV 220PF)	[C112] [TH/GU]
	VCKYTQ1HB473K	AA		C	Capacitor (50WV 0.047μF)	[C112] [SG/GH]
48	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C113] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C113] [SG/GH]
49	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C114] [TH/GU]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
49	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C114] [SG/GH]
50	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C115] [TH/GU]
	VCKYTV1HB103K	AB		C	Capacitor (50WV 0.01μF)	[C115] [SG/GH]
51	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C116]
52	VCKYTV1HB331K	AA		C	Capacitor (50WV 330PF)	[C117] [TH/GU]
	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C117] [SG/GH]
53	VCKYTV1HB102K	AA		C	Capacitor (50WV 1000PF)	[C118] [TH/GU]
	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C118] [SG/GH]
54	VCKYTQ1HB103K	AA	N	C	Capacitor (50WV 0.010μF)	[C119] [TH/GU]
55	VCKYTQ1CB224K	AC	N	C	Capacitor (16WV 0.22μF)	[C120] [SG/GH]
56	VCCCTV1HH221J	AA		C	Capacitor (50WV 220PF)	[C122] [SG]
	VCKYTV1HB561K	AA		C	Capacitor (50WV 560PF)	[C122] [GH]
57	VCKYTV1HB182K	AA		C	Capacitor (50WV 1800PF)	[C123] [SG]
	VCKYTV1HB121K	AA		C	Capacitor (50WV 120PF)	[C123] [GH]
58	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C124] [SG/GH]
59	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C125] [SG/GH]
60	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[C126] [SG/GH]
61	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C127] [SG/GH]
62	VCKYTQ1HB104K	AB		C	Capacitor (50WV 0.1μF)	[C128] [SG/GH]
63	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C131] [SG/GH]
64	VCKYTV1HB822K	AA		C	Capacitor (50WV 8200PF)	[C132] [SG/GH]
65	VCKYTV1HF223Z	AA		C	Capacitor (50WV 0.022μF)	[C133] [SG/GH]
66	VCKYTV1HB681K	AA		C	Capacitor (50WV 680PF)	[C134] [SG/GH]
67	VCCSTV1HH511J	AB	N	C	Capacitor (50WV 510PF)	[C135] [SG]
	VCKYTV1HB182K	AA		C	Capacitor (50WV 1800PF)	[C135] [GH]
68	VCKYTV1HB392K	AA		C	Capacitor (50WV 3900PF)	[C136] [SG/GH]
69	RRLYZ0166AFZZ	AH		B	Relay (OUAZ-SS-112L)	[CML] [TH/GU]
	RRLYZ3411SCZZ	AR		B	Relay (G6GN-2D)	[CML] [SG/GH]
70	QCNCM2401SC0B	AA		B	Connector (2pin)	[CNHA2] [SG/GH]
71	QCNCM7014SC0B	AD		B	Connector (2pin)	[CNHB] [TH/GU]
72	QCNCW2436SC2F	AG	N	C	Connector (26pin)	[CNLIU] [TH/GU]
	QCNCW2436SC3B	AH	N	C	Connector (32pin)	[CNLIU] [SG/GH]
73	QJAKZ2051SCFB	AG	N	C	Jack (39-451W0-06BKA)	[CNLJ/TLJ] [SG/GH]
74	QCNCM7014SC0B	AD		B	Connector (2pin)	[CNSP]
75	VHDDSS131//-1	AA		B	Diode (DSS131)	[D1]
76	VHDDSS131//-1	AA		B	Diode (DSS131)	[D2] [TH/GU/GH]
	VRD-HT2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[D2] [SG]
77	VHDDSS131//-1	AA		B	Diode (DSS131)	[D3]
78	VHDDSS133//-1	AA		B	Diode (DSS133)	[D4] [TH/GU]
79	QCNW-4489SCZZ	AD	N	C	Cable [FG]	[SG/GH]
80	VHiTEA1062A-1	AR	N	B	IC (TEA1062A)	[IC1] [SG/GH]
81	VHiTHS65//-1A	AF		B	IC (THS-65)	[IC2] [SG/GH]
82	VHiNJM2113M-1	AG	N	B	IC (NJM2113)	[IC101] [TH/GU]
	VHiBU4053BCF1	AE	N	B	IC (BU4053)	[IC101] [SG/GH]
83	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC102] [TH/GU]
	VHiMC14051BF-	AE	N	B	IC (MC14051BF)	[IC102] [SG/GH]
84	VHiBU4066BCF1	AD	N	B	IC (BU4066)	[IC103] [TH/GU]
	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC103] [SG/GH]
85	VHiBU4053BCF1	AE	N	B	IC (BU4053)	[IC104] [TH/GU]
	VHiNJM2113M-1	AG	N	B	IC (NJM2113)	[IC104] [SG/GH]
86	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC105]
87	VHiNJM4558M-1	AD	N	B	IC (NJM4558)	[IC106]
88	VRS-TP2BD000J	AA		C	Resistor (1/8W 0Ω ±5%)	[JP101] [TH/GU]
89	RCiLL0145AFZZ	AF		C	Coil (L0145)	[L1] [TH/GU]
90	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L2A] [SG/GH]
91	RCiLZ2089SCZZ	AG		C	Coil (Z2089)	[L3] [TH/GU]
	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L3] [SG/GH]
92	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L4] [SG/GH]
93	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L5] [TH/GU]
	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L5] [SG/GH]
94	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L6] [TH/GU]
95	RFiLN2011SCZZ	AC	N	C	Coil (N2011)	[L7] [TH/GU]
96	RCiLZ2122SCZZ	AC	N	C	Coil (Z2122)	[L8] [TH/GU]
97	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L8A] [SG/GH]
98	RCiLZ2122SCZZ	AC	N	C	Coil (Z2122)	[L9] [TH/GU]
99	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L9A] [SG/GH]
100	RCiLZ2129SCZZ	AE	N	C	Coil (Z2129)	[L11] [TH/GU]
101	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L12] [SG/GH]
102	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L13] [SG/GH]
103	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L14] [SG/GH]
104	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L15] [SG/GH]
105	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L16] [SG/GH]
106	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L17] [SG/GH]
107	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L18] [SG/GH]
108	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L19] [SG/GH]
109	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L20] [GH]
110	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L22] [SG/GH]
111	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L23] [SG/GH]
112	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L24] [SG/GH]
113	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[L25] [SG/GH]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
114	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L104] [SG/GH]
115	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L111] [SG/GH]
116	QJAKZ2051SC0B	AF		C	Jack	[MJ1/2] [TH/GU]
117	QJAKZ2052SC0D	AE		C	Jack (HJC0277-010022)	[MJTEL]
118	VHPPC814///-1	AE		B	Photo coupler (PC814)	[PC1] [TH/GU]
119	VHPTLP627//-1	AH		B	Photo coupler (TLP627)	[PC2] [TH/GU]
	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC2] [SG/GH]
120	VHPPC817CD/-1	AC		B	Photo coupler (PC817CD)	[PC3] [TH/GU]
121	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC4] [SG/GH]
122	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC5] [SG/GH]
123	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC6] [SG/GH]
124	VHPTLP521-1BL	AE		B	Photo coupler (TLP521)	[PC7] [SG/GH]
125	VS2SA1727//-1	AE		B	Transistor (2SA1727)	[Q3] [SG/GH]
126	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q101]
127	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q102] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q102] [SG/GH]
128	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q103] [TH/GU]
129	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q104] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q104] [SG/GH]
130	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q105] [TH/GU]
	VS2SA1037KR-1	AB		B	Transistor (2SA1037KR)	[Q105] [SG/GH]
131	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q106]
132	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q107] [TH/GU]
	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q107] [SG/GH]
133	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q108] [TH/GU]
	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q108] [SG/GH]
134	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q109] [SG/GH]
135	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q110] [SG/GH]
136	VS2SC2412KR-1	AD	N	B	Transistor (2SC2412KR)	[Q111] [SG/GH]
137	VS2SC4061K/-1	AC		B	Transistor (2SC4061K)	[Q112] [SG/GH]
138	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q117] [SG/GH]
139	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q118] [SG/GH]
140	VSDTC114EK/-1	AB	N	B	Transistor (DTC114EK)	[Q119] [SG/GH]
141	VRD-HT2EY910J	AA		C	Resistor (1/4W 91Ω ±5%)	[R1] [TH/GU]
	VRD-HT2HY430J	AA		C	Resistor (1/2W 43Ω ±5%)	[R1] [SG/GH]
142	VRD-HT2EY300J	AA		C	Resistor (1/4W 30Ω ±5%)	[R2] [TH/GU]
	VRD-HT2HY200J	AA		C	Resistor (1/2W 20Ω ±5%)	[R2] [SG]
	VRD-HT2HY270J	AA		C	Resistor (1/2W 27Ω ±5%)	[R2] [GH]
143	VRD-HT2HY101J	AA		C	Resistor (1/2W 100Ω ±5%)	[R3] [TH/GU]
144	VRD-HT2HY223J	AA		C	Resistor (1/2W 22KΩ ±5%)	[R5] [TH/GU]
145	VRD-HT2EY243J	AA		C	Resistor (1/4W 24KΩ ±5%)	[R6] [TH/GU]
146	VRS-HT3AA333J	AA		C	Resistor (1W 33KΩ ±5%)	[R8] [SG/GH]
147	VRD-HT2HY513J	AA	N	C	Resistor (1/2W 51KΩ ±5%)	[R10] [SG/GH]
148	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R101] [TH/GU]
149	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R102] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R102] [SG/GH]
150	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R103] [TH/GU]
151	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R104] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R104] [SG/GH]
152	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R105] [TH/GU]
	VRS-TS2AD363J	AA		C	Resistor (1/10W 36KΩ ±5%)	[R105] [SG]
	VRS-TS2AD433J	AA		C	Resistor (1/10W 43KΩ ±5%)	[R105] [GH]
153	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R106] [TH/GU]
	VRS-TS2AD681J	AA		C	Resistor (1/10W 680Ω ±5%)	[R106] [SG/GH]
154	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R107] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R107] [SG/GH]
155	VRS-TS2AD113J	AA	N	C	Resistor (1/10W 11KΩ ±5%)	[R108] [TH/GU]
156	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R109] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R109] [SG/GH]
157	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R110] [TH/GU]
	VRS-TS2AD184J	AA		C	Resistor (1/10W 180KΩ ±5%)	[R110] [SG]
	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R110] [GH]
158	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R111] [TH/GU]
	VRS-TS2AD183J	AA		C	Resistor (1/10W 18KΩ ±5%)	[R111] [SG/GH]
159	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R112] [TH/GU]
	VRSTS2AD3651F	AA		C	Resistor (1/10W 3.65KΩ ±1%)	[R112] [SG/GH]
160	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R113] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R113] [SG/GH]
161	VRS-TS2AD122J	AA		C	Resistor (1/10W 1.2KΩ ±5%)	[R114] [SG/GH]
162	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R115] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R115] [SG/GH]
163	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R116] [TH/GU]
	VRS-TS2AD301J	AA		C	Resistor (1/10W 300Ω ±5%)	[R116] [SG/GH]
164	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R117] [TH/GU]
	VRS-TS2AD512J	AA		C	Resistor (1/10W 5.1KΩ ±5%)	[R117] [SG/GH]
165	VRS-TP2BD221J	AB		C	Resistor (1/8W 220Ω ±5%)	[R118] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R118] [SG/GH]
166	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R119] [TH/GU]
	VRS-TS2AD100J	AA		C	Resistor (1/10W 10.0Ω ±5%)	[R119] [SG/GH]
167	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R120] [TH/GU]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
168	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R121] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R121] [SG/GH]
169	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R122] [TH/GU]
	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R122] [SG]
	VRS-TS2AD243J	AA		C	Resistor (1/10W 24KΩ ±5%)	[R122] [GH]
170	VRS-TS2AD273J	AA		C	Resistor (1/10W 27KΩ ±5%)	[R123] [SG]
	VRS-TS2AD243J	AA		C	Resistor (1/10W 24KΩ ±5%)	[R123] [GH]
171	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R124] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R124] [SG/GH]
172	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R125] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R125] [SG/GH]
173	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R126] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R126] [SG]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R126] [GH]
174	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R127]
175	VRS-TS2AD124J	AA		C	Resistor (1/10W 120KΩ ±5%)	[R128] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R128] [SG/GH]
176	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R129] [TH/GU]
	VRS-TS2AD393J	AA		C	Resistor (1/10W 39KΩ ±5%)	[R129] [SG/GH]
177	VRS-TS2AD681J	AA		C	Resistor (1/10W 680Ω ±5%)	[R130] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R130] [SG/GH]
178	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R131] [TH/GU]
	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R131] [SG/GH]
179	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R132]
180	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R133] [TH/GU]
	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R133] [SG/GH]
181	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R134]
182	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R135] [TH/GU]
	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R135] [SG/GH]
183	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R136] [TH/GU]
184	VRS-TS2AD751J	AA		C	Resistor (1/10W 750Ω ±5%)	[R137] [TH/GU]
185	VRS-TS2AD154J	AA		C	Resistor (1/10W 150KΩ ±5%)	[R138] [TH/GU]
	VRS-TS2AD391J	AA		C	Resistor (1/10W 390Ω ±5%)	[R138] [SG]
	VRS-TS2AD241J	AA		C	Resistor (1/10W 240Ω ±5%)	[R138] [GH]
186	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R139] [TH/GU]
	VRS-TS2AD182J	AA		C	Resistor (1/10W 1.8KΩ ±5%)	[R139] [SG]
	VRS-TS2AD241J	AA		C	Resistor (1/10W 240Ω ±5%)	[R139] [GH]
187	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R140] [TH/GU]
	VRS-TS2AD392J	AA		C	Resistor (1/10W 3.9KΩ ±5%)	[R140] [SG/GH]
188	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R141] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R141] [SG/GH]
189	VRS-TS2AD513J	AA		C	Resistor (1/10W 51KΩ ±5%)	[R142] [TH/GU]
	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R142] [SG/GH]
190	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R143] [TH/GU]
	VRS-TS2AD134J	AA		C	Resistor (1/10W 130KΩ ±5%)	[R143] [SG/GH]
191	VRS-TS2AD153J	AA		C	Resistor (1/10W 15KΩ ±5%)	[R144] [TH/GU]
192	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R145] [TH/GU]
	VRS-TS2AD683J	AA		C	Resistor (1/10W 68KΩ ±5%)	[R145] [SG/GH]
193	VRS-TS2AD222J	AA		C	Resistor (1/10W 2.2KΩ ±5%)	[R146] [TH/GU]
	VRS-TS2AD683J	AA		C	Resistor (1/10W 68KΩ ±5%)	[R146] [SG/GH]
194	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R147] [TH/GU]
	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R147] [SG/GH]
195	VRS-TS2AD332J	AA		C	Resistor (1/10W 3.3KΩ ±5%)	[R148] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R148] [SG/GH]
196	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R149]
197	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R150] [TH/GU]
	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R150] [SG/GH]
198	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R151] [TH/GU]
	VRS-TS2AD224J	AA		C	Resistor (1/10W 220KΩ ±5%)	[R151] [SG/GH]
199	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R152] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R152] [SG/GH]
200	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R153] [TH/GU]
201	VRS-TS2AD822J	AA		C	Resistor (1/10W 8.2KΩ ±5%)	[R154] [TH/GU]
202	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R155] [TH/GU]
	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R155] [SG/GH]
203	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R156] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R156] [SG/GH]
204	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R157] [TH/GU]
	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R157] [SG]
	VRS-TS2AD621J	AA		C	Resistor (1/10W 620Ω ±5%)	[R157] [GH]
205	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R158] [TH/GU]
	VRS-TS2AD913J	AA		C	Resistor (1/10W 91KΩ ±5%)	[R158] [SG]
	VRS-TS2AD823J	AA		C	Resistor (1/10W 82KΩ ±5%)	[R158] [GH]
206	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R159] [TH/GU]
	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R159]
207	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R160] [SG]
	VRS-TS2AD163J	AA		C	Resistor (1/10W 16KΩ ±5%)	[R160] [GH]
208	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R161] [SG/GH]
209	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R162] [SG/GH]
210	VRS-TS2AD302J	AA		C	Resistor (1/10W 3KΩ ±5%)	[R163] [SG/GH]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
211	VRS-TS2AD364J	AA		C	Resistor (1/10W 360KΩ ±5%)	[R164] [SG/GH]
212	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R165] [SG/GH]
213	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R167] [SG/GH]
214	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R170] [SG/GH]
215	VRS-TS2AD124J	AA		C	Resistor (1/10W 120KΩ ±5%)	[R171] [SG/GH]
216	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R172] [SG/GH]
217	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R173] [SG/GH]
218	VRS-TS2AD221J	AA		C	Resistor (1/10W 220Ω ±5%)	[R174] [SG/GH]
219	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R175] [SG/GH]
220	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R178] [SG/GH]
221	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R179] [SG/GH]
222	VRS-TS2AD333J	AA		C	Resistor (1/10W 33KΩ ±5%)	[R180] [SG/GH]
223	VRS-TS2AD622J	AA		C	Resistor (1/10W 6.2KΩ ±5%)	[R181] [SG/GH]
224	VRS-TS2AD203J	AA		C	Resistor (1/10W 20KΩ ±5%)	[R182] [SG]
	VRS-TS2AD133J	AA		C	Resistor (1/10W 13KΩ ±5%)	[R182] [GH]
225	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R183] [SG/GH]
226	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R184] [SG/GH]
227	VRS-TS2AD104J	AA		C	Resistor (1/10W 100KΩ ±5%)	[R185] [SG/GH]
228	VRS-TS2AD753J	AA		C	Resistor (1/10W 75KΩ ±5%)	[R186] [SG/GH]
229	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R187] [SG/GH]
230	VRS-TS2AD473J	AA		C	Resistor (1/10W 47KΩ ±5%)	[R189] [SG/GH]
231	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R190] [SG/GH]
232	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R191] [SG/GH]
233	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R193] [SG/GH]
234	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R194] [SG/GH]
235	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R195] [SG/GH]
236	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R196] [SG/GH]
237	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R198] [SG/GH]
238	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R199] [SG/GH]
239	RH-DX2007SCZZ	AC		B	Bridge diode (S1ZB60)	[REC1] [SG/GH]
240	RH-DX2007SCZZ	AC		B	Bridge diode (S1ZB60)	[RE1] [TH/GU]
241	QSW-S2166SC03	AC		B	Slide switch (HSW-1071-01-200)	[SW1] [TH/GU]
242	QSW-S2166SC03	AC		B	Slide switch (HSW-1071-01-200)	[SW2] [TH/GU]
243	RTRNZ2128XHZZ	AS		B	Transformer (600Ω)	[T1] [TH/GU]
	RTRNZ2140XHZZ	AN		B	Transformer	[T1] [SG/GH]
244	RTRNi2142XHZZ	AR		B	Transformer	[T2] [SG/GH]
245	VHVTN07G471-1	AB	N	B	Varistor (TNR7G471KT2)	[VA1] [TH/GU]
246	VHVTN07G471-1	AB	N	B	Varistor (TNR7G471KT2)	[VA2] [TH/GU]
	VHVTN07G101-1	AB		B	Varistor (TNR7G101KT2)	[VA2] [SG]
	VHVTN07G271-1	AC		B	Varistor (TNR07G271)	[VA2] [GH]
247	RVR-Q1402QCZZ	AD		B	Variable resistor (RS10M11AJ)	[VR1] [TH/GU]
248	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD1] [TH/GU]
	VHEHZ11A3///-1	AB	N	B	Zener diode (HZ11A3-TA)	[ZD1] [SG]
	VHEHZ9A2///-1	AB		B	Zener diode (HZ9A2-TA)	[ZD1] [GH]
249	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD2] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD2] [SG/GH]
250	VHEHZ6A3///-1	AC	N	B	Zener diode (HZ6A3-TA)	[ZD3] [SG/GH]
251	VHEHZ27-1//-1	AB	N	B	Zener diode (HZ27C-1TA)	[ZD4] [TH/GU]
252	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD5] [TH/GU]
253	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD6] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD6] [SG/GH]
254	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD7] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD7] [SG/GH]
255	VHEHZ2C1///-1	AA	N	B	Zener diode (HZ2C1-TA)	[ZD8] [TH/GU]
	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD8] [SG/GH]
256	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD9] [SG/GH]
257	VHEHZ15-2//-1	AB	N	B	Zener diode (HZ15-2-TA)	[ZD10] [SG/GH]
258	VHEHZ24-2//-1	AB	N	B	Zener diode (HZ24-2-TA)	[ZD11] [SG]
	VHEHZ36-3//-1	AD		B	Zener diode (HZ36-3-TA)	[ZD11] [GH]
259	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD12] [SG/GH]
260	VHEHZ3B1///-1	AB	N	B	Zener diode (HZ3B1-TA)	[ZD13] [SG/GH]
300	QCNW-4426SCZZ	AD	N	C	Cable	[CNHA] [TH/GU]
	QCNW-4426SCZZ	AD	N	C	Cable	[CNHA1] [SG/GH]
301	QSW-Z2206SCZZ	AH		B	Hook switch	[RHS] [TH/GU]
	QSW-Z2206SCZZ	AH		B	Hook switch	[SW1] [SG/GH]
	(Unit)					
901	DCEKL436ASC02	BN	N	E	TEL-Liu PWB unit	[TH/GU]
	DCEKL436ASC03	BN	N	E	TEL-Liu PWB unit	[TH/GU]
	DCEKL459ASC19	BN	N	E	TEL-Liu PWB unit	[SG]
	DCEKL459ASC20	BN	N	E	TEL-Liu PWB unit	[GH]
902	DCEKF459ASC02	AU	N	E	Hook switch PWB unit (No.300, 301)	

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QTANN2046SCZZ	AC		C	Terminal (M1925)	[BIASS]

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
2	RMPTC8103QCKB	AD		B	Block resistor (10KΩ×8 1/8W ±10%)	[BR301]
3	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C301]
4	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C302]
5	RC-GZA476AF1A	AC		C	Capacitor (10WV 47μF)	[C303]
6	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C304]
7	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C305]
8	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C306]
9	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C307]
10	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C308]
11	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C309]
12	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C310]
13	VCCCPU1HH270J	AA		C	Capacitor (25WV 27PF)	[C311]
14	VCCCPU1HH270J	AA		C	Capacitor (25WV 27PF)	[C312]
15	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C313]
16	RC-GZA475AF1E	AC		C	Capacitor (25WV 4.7μF)	[C314]
17	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C315]
18	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C316]
19	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C317]
20	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C318]
21	RC-GZA476AF1A	AC		C	Capacitor (10WV 47μF)	[C319]
22	VCKYPU1HB472K	AA		C	Capacitor (50WV 4700PF)	[C320]
23	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C321]
24	VCTYPU1HF104Z	AB		C	Capacitor (50WV 0.10μF)	[C323]
26	VCKYQY3DB151K	AC	N	C	Capacitor (2000WV 150PF)	[C401]
27	VCKYQY3FB102K	AD	N	C	Capacitor (3150WV 1000PF)	[C402]
28	VCKYQY3AB102K	AC	N	C	Capacitor (1000WV 1000PF)	[C403]
29	VCQYNA1HM222K	AA		C	Capacitor (50WV 2200PF)	[C404]
30	VCQYNA1HM472K	AA	N	C	Capacitor (50WV 4700PF)	[C405]
31	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C406]
32	RC-GZA475AF1E	AC		C	Capacitor (25WV 4.7μF)	[C407]
33	VCQYNA1HM153K	AB		C	Capacitor (50WV 0.015μF)	[C408]
34	VCFYJU2EA153K	AD	N	C	Capacitor (250WV 0.015μF)	[C409]
36	VCQYNA1HM472K	AA	N	C	Capacitor (50WV 4700PF)	[C411]
37	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C412]
38	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C413]
39	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000PF)	[C414]
41	QCNCW0053GCZZ	AD	N	C	Connector (9pin)	[CN301]
42	QCNCM7014SC0B	AD		C	Connector (2pin)	[CN302]
43	QCNCM2473SC0D	AC	N	C	Connector (4pin)	[CN303]
44	QCNCM704BAFZZ	AB	N	C	Connector (2pin)	[CN304]
45	QCNCM894MAFZZ	AG	N	C	Connector (12pin)	[CN305A]
46	QCNCM894KAFZZ	AF	N	C	Connector (10pin)	[CN305B]
47	QCNCM7014SC0E	AB		C	Connector (5pin)	[CN307]
48	QCNW-4490SCZZ	AF	N	C	Cable (3pin)	[CN308]
49	QCNCM2401SC0C	AB		C	Connector (3pin)	[CN309]
50	QCNCM768EAFZZ	AC	N	C	Connector (5pin)	[CN310/311]
51	QCNCM886PAFZZ	AF	N	C	Connector (14pin)	[CNPW]
52	VHDDSS133//-1	AA		B	Diode (DSS133)	[D301]
53	VHDSHV03///-1	AE		B	Diode (SHV03)	[D401]
54	VHDSHV03///-1	AE		B	Diode (SHV03)	[D402]
55	VHDSHV02///-1	AD		B	Diode (SHV02)	[D403]
56	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D404]
57	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D406]
58	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D407]
59	VHDDSM1D1//-1	AB	N	B	Diode (DSM1D1)	[D408]
61	QTANN2046SCZZ	AC		C	Terminal (M1925)	[DE]
62	QTANN2046SCZZ	AC		C	Terminal (M1925)	[FG]
63	QCNW-4478SCZZ	AC	N	C	Cable	[HJP1]
64	QCNW-4499SCZZ	AC	N	C	Cable	[HJP3]
65	VHiTA7291S/-1	AF		B	IC (TA7291S)	[IC301]
66	VHiTA7291S/-1	AF		B	IC (TA7291S)	[IC302]
67	VHiULN2003AN/	AE		B	IC (ULN2003ANS)	[IC303]
68	VHiT377P33C53	BC	N	B	IC (T377P33C53)	[IC304]
69	VHiMC74HC10-1	AE	N	B	IC (MC74HC10)	[IC305]
⚠ 70	VHViCPN25//-1	AD	N	B	IC protector (ICP-N25)	[ICP301]
71	RCiLZ2128SCZZ	AF	N	C	Coil (Z2128)	[L301]
72	RCiLZ2128SCZZ	AF	N	C	Coil (Z2128)	[L302]
73	QTANN2046SCZZ	AC		C	Terminal (M1925)	[MC]
74	VHPGP1S53V/-1	AE		B	Photo interruptor (GP1S53V)	[PD301]
75	VHPGP1S53V/-1	AE		B	Photo interruptor (GP1S53V)	[PD302]
76	VS2SA673-//-1	AD	N	B	Transistor (2SA673CTZ)	[Q301]
77	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q302]
78	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q303]
79	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q401]
80	VS2SC4883-/-1	AF	N	B	Transistor (2SC4883-Y)	[Q402]
81	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q403]
82	VS2SC4883-/-1	AF	N	B	Transistor (2SC4883-Y)	[Q405]
83	VS2SA933SS/-1	AB	N	B	Transistor (2SA933AS-S)	[Q406]
84	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q407]
85	VS2SC1815Y/-1	AC	N	B	Transistor (2S1815-Y)	[Q408]

12 PCU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
86	VRNHT2EK1002F	AA		C	Resistor (1/4W 10.0KΩ ±1%)	[R1]
87	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R301]
88	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R302]
89	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R303]
90	VRD-HT2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)	[R304]
91	VRNHT2EK1502F	AA	N	C	Resistor (1/4W 15.0KΩ ±1%)	[R308]
92	VRD-HT2EY822J	AA		C	Resistor (1/4W 8.2KΩ ±5%)	[R309]
93	VRD-HT2EY392J	AA		C	Resistor (1/4W 3.9KΩ ±5%)	[R310]
94	VRD-HT2HY910J	AA	N	C	Resistor (1/2W 91Ω ±5%)	[R311]
95	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R312]
96	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R313]
97	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R314]
98	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R315]
99	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R316]
100	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R317]
101	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R318]
102	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R319]
103	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R320]
104	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R322]
105	VRD-HT2EY471J	AA		C	Resistor (1/4W 470Ω ±5%)	[R326]
106	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R327]
107	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R328]
108	VRD-HT2EY681J	AA		C	Resistor (1/4W 680Ω ±5%)	[R329]
109	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R331]
110	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R336]
111	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R337]
112	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R338]
113	VRD-HT2EY100J	AA	N	C	Resistor (1/4W 10Ω ±5%)	[R339]
114	VRD-HT2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R341]
115	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R342]
117	VRHDPT3AF395J	AD	N	C	Resistor (1W 3.9MΩ ±5%)	[R402]
118	VRHDPT3AF825J	AD	N	C	Resistor (1W 8.2MΩ ±5%)	[R403]
119	VRH-PT2HF395J	AC	N	C	Resistor (1/2W 3.9MΩ ±5%)	[R405]
120	VRD-HT2EY364J	AA		C	Resistor (1/4W 360KΩ ±5%)	[R408]
121	VRD-HT2EY754J	AA	N	C	Resistor (1/4W 750KΩ ±5%)	[R409]
122	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R410]
123	VRD-HT2EY561J	AA	N	C	Resistor (1/4W 560Ω ±5%)	[R411]
124	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R412]
125	VRD-HT2EY105J	AA		C	Resistor (1/4W 1.0MΩ ±5%)	[R413]
126	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R414]
127	VRD-HT2EY512J	AA		C	Resistor (1/4W 5.1KΩ ±5%)	[R415]
128	VRD-HT2EY620J	AA	N	C	Resistor (1/4W 62Ω ±5%)	[R416]
129	VRNHT2EK1102F	AA	N	C	Resistor (1/4W 11.0KΩ ±1%)	[R417]
130	VRD-HT2HY3R0J	AB	N	C	Resistor (1/2W 3.0Ω ±5%)	[R418]
131	VRD-HT2EY153J	AA		C	Resistor (1/4W 15KΩ ±5%)	[R419]
132	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R420]
133	VRD-HT2EY620J	AA	N	C	Resistor (1/4W 62Ω ±5%)	[R421]
134	VRD-HT2HY3R0J	AB	N	C	Resistor (1/2W 3.0Ω ±5%)	[R422]
135	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R423]
136	VRD-HT2EY153J	AA		C	Resistor (1/4W 15KΩ ±5%)	[R424]
137	VRD-HT2EY203J	AA		C	Resistor (1/4W 20KΩ ±5%)	[R425]
138	VRD-HT2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R426]
139	VRD-HT2EY104J	AA		C	Resistor (1/4W 100KΩ ±5%)	[R428]
140	VRHVKU2HD257M	AG	N	C	Resistor (1/2W 250MΩ ±20%)	[R429]
141	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R430]
142	VRD-HT2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R431]
143	RTRNZ0011GCZZ	AL	N	B	Transformer (TEI-16S)	[T401]
144	RTRNZ0012GCZZ	AL	N	B	Transformer (TEI-16S2)	[T402]
145	QTANN2046SCZZ	AC		C	Terminal (M1925)	[TC]
146	VHH103AT-2B-1	AF	N	B	Thermistor (103AT-2B)	[TH1]
147	RVR-M0586AFZZ	AC	N	B	Variable resistor	[VR301]
148	RCRSZ0017GCZZ	AH	N	B	Crystal (14.513385MHz)	[X301]
149	VHERD3.9EB2-1	AB	N	B	Zener diode (RD3.9EB2)	[ZD301]
150	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD302]
151	VHERD30JSAB21	AC	N	B	Zener diode (RD30JSAB2)	[ZD401]
152	VHERD30JSAB21	AC	N	B	Zener diode (RD30JSAB2)	[ZD402]
153	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD403]
154	VHED2.4ESAB11	AC	N	B	Zener diode (RD2.4ESAB1)	[ZD404]
155	VHE1ZB200Y/-1	AF	N	B	Zener diode (1ZB200Y)	[ZD405]
156	VHE1ZB300X/-1	AF	N	B	Zener diode (1ZB300X)	[ZD406]
	(Unit)					
901	DCEKK437ASC02	BQ	N	E	PCU PWB unit	

13 Power supply PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0CB829650007/	BD	N	B	Transformer (PT-P86-KTT)	[T1]
2	0CBUKZ0578ZZ/	AH		C	Filter (PLAA2230R4R01B1)	[L1,2]
3	0CBUKZ0703ZZ/	AP		C	Coil (SK-10M-5Y)	[L3]
4	0CBBFZ89154Z/	AC		C	Ferrite core (BL01RN1-A62B1)	[FB1]
5	0CBUCB0140AZ/	AP	N	B	IC (PQ05RH1)	[IC1]
6	0CBUAG0139CZ/	AQ	N	B	FET (2SK2483)	[Q1]
7	0CBUAC0056BZ/	AD		B	Transistor (2SC2002-L)	[Q2]
8	0CBUAC0098EZ/	AK		B	Transistor (2SC3518-K)	[Q3]
9	0CBUAC0004DZ/	AC		B	Transistor (2SC945-PA)	[Q4]
10	0CBUBB0136DZ/	AN		B	Diode (D3SB60)	[D1]
11	0CBUBC0220BZ/	AD		B	Diode (1NU41)	[D2]
12	VHD1N4148//-1	AA		B	Diode (1SS55)	[D3,7,8]
13	0CBUBC0157AZ/	AH		B	Diode (21DQ04)	[D4]
14	0CBUBC0099BK/	AE	N	B	Diode (11DQ04-TA2B2)	[D5]
15	0CBUBB0166BB/	AK		B	Diode (F10P20F-L)	[D6]
16	0CBUDA0082ZZ/	AP	N	B	Triac (SM8JZ47)	[TRC1]
17	0CBUBDAC270A/	AD	N	B	Zener diode (RD27ESAB)	[ZD1]
18	0CBUBDAC3R3C/	AD		B	Zener diode (RD3.3ESAB2)	[ZD2]
19	0CBUBDAC6R2A/	AD	N	B	Zener diode (RD6.2ESAB)	[ZD3]
20	0CBUBDCC150B/	AE		B	Zener diode (RD15FB1-8M)	[ZD4]
21	0CBUBDBM110C/	AF		B	Zener diode (RD11FB2-T7)	[ZD5]
22	0CBUDC0139AZ/	AN		B	Photo coupler (PC113Y11)	[PC1]
23	0CBUDC0162ZZ/	AN		B	Photo coupler (S21ME4FY)	[PC2]
24	0CBUEFC564BA/	AC		C	Resistor (SFR25H560K)	[R1]
25	0CBUEGER27AS/	AG	N	C	Resistor (RGC2T 0.27Ω J)	[R2]
26	0CBUEEB474CT/	AC	N	C	Resistor (RD16S-T26-474J)	[R3,4]
27	0CBUEFE823CG/	AC		C	Resistor (RSS2 823J)	[R5,20]
28	0CBUEEB183CT/	AC		C	Resistor (RD16S-T26-183J)	[R6]
29	0CBUEEB471CT/	AC		C	Resistor (RD16S-T26-471J)	[R7]
30	0CBUEFE391CE/	AD		C	Resistor (RSS2 T52 391J)	[R8]
31	0CBUEEB330CW/	AC		C	Resistor (RDF16S-T26-330J)	[R9]
32	0CBUEEC471BS/	AC	N	C	Resistor (RDF50SS-T26-471J)	[R10]
33	0CBUEEC100BS/	AC	N	C	Resistor (RDF50SS-T26-100J)	[R11]
34	0CBUEEB101CW/	AC	N	C	Resistor (RDF16S-T26-101J)	[R12,13]
35	0CBUEEB222CT/	AC		C	Resistor (RD16S-T26-222J)	[R14]
36	0CBUEEB181CT/	AC	N	C	Resistor (RD16S-T26-181J)	[R15]
37	0CBUEEB562CT/	AC	N	C	Resistor (RD16S-T26-562J)	[R16]
38	0CBUEEB682CT/	AC		C	Resistor (RD16S-T26-682J)	[R17]
39	0CBUEEC122BS/	AC	N	C	Resistor (RDF50SS-T26-122J)	[R19]
40	0CBUFBA102DH/	AC		B	Variable resistor (KVSF637T TB102)	[VR1]
41	0CBUGZ0985ZZ/	AF	N	C	Capacitor (2222 336 20224)	[C1,2]
42	0CBUGCZ222CK/	AF		C	Capacitor (DE1410-1E222MACT4K-KD)	[C3,4]
43	0CBUGCM222AU/	AD	N	C	Capacitor (DE7100-1F222MVA1-H)	[C5,6]
44	0CBUGZ0945ZZ/	AQ		C	Capacitor (LGE2G820MHSESF)	[C7]
45	0CBUGCU331BQ/	AD	N	C	Capacitor (DE0705-1R331K1K-MHR)	[C8]
46	0CBUGCU103BC/	AD		C	Capacitor (DE1307-1E103Z1K)	[C9]
47	0CBUGFF103AR/	AC		C	Capacitor (AMZ-103K50)	[C10]
48	0CBUGFF473AR/	AB		C	Capacitor (AMZ-473K50)	[C11,15]
49	0CBUGFF102ARX	AC	N	C	Capacitor (AMZ-102K50)	[C13]
50	0CBUGFM103HW/	AF	N	C	Capacitor (ECQ-E2A103MWB)	[C14]
51	0CBUGAC122GK/	AG		C	Capacitor (UPL1C122MHH1AA)	[C16]
52	0CBUGAD221HD/	AE		C	Capacitor (UVZ1E221MPH1AA)	[C17]
53	0CBUGAD471GK/	AG		C	Capacitor (UPL1E471MPH1AA)	[C18]
54	0CBUGCS222AP/	AC		C	Capacitor (DD08-63E222P500)	[C20]
55	0CBUGAC821LC/	AH	N	C	Capacitor (UPL1C821MPH6AA)	[C21,22]
56	0CBUGCZ332CK/	AG	N	C	Capacitor (DE1610-1E332MACT4K-KD)	[C24]
57	0CBUGFF222AR/	AB		C	Capacitor (AMZ-222K50)	[C25]
58	0CBPHZ0160ZZ/	AU	N	B	Relay (G2R-1A-SKDV 12V)	[RY1]
59	0CBUEZ0524ZZ/	AD	N	B	Varistor (JVR7N471K-S)	[V1]
60	0CBUZZ0100ZZ/	AH		B	Varistor (AG-10PC702R-L3N)	[V2]
61	0CBPJCZZ0058/	AH		A	Current fuse (19181 5.0A 250V)	[F1]
62	0CBPJCZZ0037/	AG		A	Current fuse (19181 1.25A)	[F2,3]
63	0CBPJT0153ZZ/	AE		A	Thermal cutoff (EYP2BH115FF)	[F4]
64	0CBPZZ0831ZZ/	AB		C	Fuse clip (H0462)	[FH1]
65	0CBUEZ0530ZZ/	AG	N	B	Thermistor (S160K08D315JIZ00)	[TH1]
66	0CBPFZ0273ZZ/	AN		B	Switch (1858 4205)	[SW1]
67	0CBPKZ0194ZZ/	AC		C	Base post assy (B2P3-VH)	[CN1]
68	0CBPKZ1123ZZ/	AH		C	Base pin (14R-FJ)	[CN2]
69	0CBPCZ0160ZZ/	AE		C	Connector (M1698)	[CN3-1]
70	0CBPZZ0739ZZ/	AE		C	Bush (M1773)	[CN3-2]
71	0CBPKZ1147ZZ/	AG		C	Base post assy (B02P-XL-HDB)	[CN4]
72	0CBPKZ1146ZZ/	AD		C	Housing (S 2P-VH)	[CN5]
73	0CBPKZ0541ZZ/	AD	N	C	Housing (B 3B-PH-K-S)	[CN6]
75	0CBLRH0366ZR/	AH		C	Heat sink (W4001-5001A AL)	[MT1]
76	0CBLRH0367ZR/	AH		C	Heat sink (W4001-5002A AL)	[MT2]
77	0CBLRZ1167ZQ/	AL		C	Angle (W4001-5003A EZS)	[MT3]
	(Unit)					
⚠ 901	RDENT2092XHZZ	BS	N	E	Power supply PWB unit	

14 CCD PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	VCEAJA1EW226M	AB		C	Capacitor (25WV 22μF)	[C1]
2	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.1μF)	[C2]
3	QCNW-4420SCZZ	AG	N	C	Cable	[CN1]
4	VHiTCD1206UP1	AX		B	IC (TCD1206SUP)	[IC1]
5	VS2SC2412KS-1	AB	N	B	Transistor (2SC2412-K)	[Q1]
6	VRS-TP2BD222J	AA		C	Resistor (1/8W 2.2KΩ ±5%)	[R1]
7	VRS-TP2BD390J	AA		C	Resistor (1/8W 39Ω ±5%)	[R2]
8	PSHEZ3128SCZZ	AB	N	C	CCD sheet	
	(Unit)					
901	DCEKD333ASC02	BG	N	E	CCD PWB unit	

50 Hardware parts

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
B2	XEBSD30P10000	AA		C	Screw (M3×10)
B3	XEBSE30P10000	AA		C	Screw (M3×10)
B4	XEPSD30P06X00	AA		C	Screw (3×6X)
B5	XHBSD30P06000	AA		C	Screw (3×6)
B6	XHBSE30P08000	AA		C	Screw (M3×8)
B7	XJPSD23P12000	AA	N	C	Screw (M2.3×12)
B8	XEBSD30P08000	AA		C	Screw (M3×8)
B9	LX-BZ2182SCZZ	AB		C	Screw
B10	XJPSD30P04000	AA		C	Screw (3×4)
B11	XUBSD20P06000	AA		C	Screw (2×6)
B12	XUBSD30P06000	AA		C	Screw (3×6)
B13	XEBSF30P06000	AA		C	Screw (M3×6)
B14	XEBSE26P08000	AA	N	C	Screw (2.6×8)
B15	XBPSD40P08K00	AA		C	Screw (M4×8K)
B16	XBPSE30P06K00	AA		C	Screw (3×6K)
B17	XEBSD20P06000	AA		C	Screw (2×6)
B18	XBPSE30P12K00	AA	N	C	Screw (3×12)
B19	XBPSE30P08K00	AA		C	Screw (3×8K)

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
〔C〕				
CCNW-4422SC01	1- 1	AL	N	C
CCNW-4423SC01	1- 2	AK	N	C
CFRM-0029GC80	6- 501	BU	N	E
CPLTP2748SC04	9- 1	AS	N	C
CPNLC2360SC57	1- 74	BN	N	E
//	2- 901	BN	N	E
CRÖLP2320SC01	1- 77	AL	N	C
〔D〕				
DCEKC084HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC086HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC087HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKC088HSCZZ	1- 63	CD	N	E
//	10- 901	CD	N	E
DCEKD333ASC02	3- 1	BG	N	E
//	14- 901	BG	N	E
DCEKF459ASC02	1- 98	AU	N	C
//	11-902	AU	N	E
DCEKK437ASC02	1- 64	BQ	N	E
//	12- 901	BQ	N	E
DCEKL436ASC02	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL436ASC03	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL459ASC19	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKL459ASC20	1- 78	BN	N	E
//	11- 901	BN	N	E
DCEKP434ASC01	2- 1	BC	N	E
DUNTK4925XHW2	9- 6	AY		E
DUNTW0100GC13	8- 901	BG	N	E
〔G〕				
GCABA2261SCZB	1- 3	AV	N	D
GCABB2262SCZB	1- 79	AT	N	D
GCABC2263SCZC	1- 4	AZ	N	D
GCABC2263SCZD	1- 4	AZ	N	D
GCASP2072SCZE	2- 2	AU	N	D
GDAi-2072SCZB	1- 22	AN	N	C
GLEGG2026SCZZ	1- 66	AA		C
〔H〕				
HPNLC2360SCZB	2- 14	AG	N	C
〔J〕				
JBTN-2151SCZZ	2- 3	AE	N	C
JBTN-2152SCZB	2- 4	AD	N	C
JBTN-2153SCZZ	2- 5	AD	N	C
JBTN-2154SCZB	2- 6	AK	N	C
JBTN-2155SCZB	2- 7	AE	N	C
JBTN-2156SCZB	2- 8	AD	N	C
JKNBP2068SCZB	2- 9	AD	N	C
JKNBZ0004GCZZ	8- 2	AC		C
〔L〕				
LANGF2805SCZZ	1- 5	AE	N	C
LBNDJ2006SCZZ	1- 67	AA		C
LBNDJ2007SCZZ	1- 93	AA		C
LBNDJ2009SCZZ	1- 80	AA		C
LBÖSZ0058GCZZ	6- 14	AE		C
LBSHP2066SCZZ	1- 6	AC	N	C
LBSHP2067SCZZ	1- 7	AC	N	C
LFiX-0003GCZZ	6- 9	AC		C
LFRM-0027GCZZ	7- 11	AX		C
LFRM-2147XHYA	3- 2	AV		C
LPLTG2707SCZZ	1- 38	AE		C
LPLTM0027GCZZ	7- 20	AC	N	C
LPLTM0159GCZZ	4- 15	AD		C
LPLTM0163GCZZ	7- 16	AE		C
LPLTM2745SCZZ	1- 68	AV	N	C
LPLTM2752SCZZ	1- 57	AC	N	C
LPLTP0162GCZ1	7- 10	AD	N	C
LPLTP2703XHZZ	1- 39	AC		C
LPLTP2746SCZZ	1- 58	AH	N	C
LPLTP2747SCZZ	1- 55	AL	N	C
LPLTP2750SCZZ	9- 3	AN	N	C
LPLTP2751SCZZ	9- 4	AH	N	C
LPLTP2773SCZZ	9- 5	AG	N	C
LSÖU-0007GCZ1	5- 1	AQ	N	C
LSUPP0006GCZZ	4- 41	AD		C
LX-BZ0187FCZZ	6- 26	AA	N	C
LX-BZ2182SCZZ	50-B9	AB		C
LX-UZ3006NCZZ	4- 33	AA		C
LX-WZ0044FCZZ	7- 8	AA		C
LX-WZ1013HCZZ	4- 44	AA		C
LX-WZ2021SCZZ	4- 45	AA		C
〔M〕				
MLEVP0037GCZZ	4- 19	AB		C
MLEVP0038GCZZ	7- 6	AC		C
MLEVP0039GCZZ	7- 19	AC		C
MLEVP0040GCZZ	7- 24	AC		C
MLEVP0041GCZZ	4- 9	AC		C
MLEVP0042GCZZ	6- 3	AC		C
MLEVP0043GCZ1	5- 2	AF	N	C
MLEVP0045GCZZ	7- 25	AC		C
MLEVP0046GCZZ	6- 5	AE		C
MLEVP2195SCZZ	1- 8	AD	N	C
MLEVP2196SCZZ	1- 9	AD	N	C
MLEVP2197SCZZ	1- 40	AH	N	C
MLEVP2198SCZB	1- 23	AD	N	C
MSPRC0132GCZ2	7- 28	AC	N	C
MSPRC0133GCZ1	7- 27	AC	N	C
MSPRC0134GCZZ	7- 29	AD		C
MSPRC0135GCZZ	4- 23	AB		C
MSPRC0139GCZZ	4- 8	AC		C
MSPRC0142GCZ1	7- 5	AB	N	C
MSPRC0143GCZ1	4- 32	AA	N	C
MSPRC0155GCZ1	7- 4	AB	N	C
MSPRC0159GCZZ	6- 8	AC	N	C
//	6- 17	AC		C
MSPRC0224GCZZ	6- 19	AB	N	C
MSPRC2692SCZZ	1- 41	AB	N	C
MSPRC2791SCZZ	1- 42	AC	N	C
MSPRC2796SCZZ	2- 10	AC	N	C
MSPRC2798SCZZ	1- 43	AC	N	C
MSPRD0227GCZZ	8- 23	AC	N	C
MSPRD2750SCZZ	1- 10	AB	N	C
MSPRD2761SCZZ	1- 11	AB	N	C
MSPRP0158GCZZ	7- 7	AC		C
MSPRP2512SCZZ	3- 5	AB		C
MSPRP2618SCZZ	3- 3	AD		C
MSPRP2619SCZZ	3- 4	AD		C
MSPRP2687SCZZ	1- 12	AC	N	C
MSPRP2752SCZZ	1- 44	AD	N	C
MSPRP2753SCZZ	1- 45	AD	N	C
MSPRT0137GCZZ	6- 12	AD		C
MSPRT0138GCZ1	7- 13	AB	N	C
MSPRT0141GCZ1	7- 17	AC	N	C
MSPRT0228GCZZ	8- 26	AB	N	C
MSPRT0229GCZZ	4- 37	AC	N	C
MSPRT2751SCZZ	1- 46	AB	N	C
〔N〕				
NBLTH0008GCZ1	4- 1	AG	N	C
NBRGC0034GCZ1	8- 15	AD	N	C
NBRGC0035GCZ1	8- 10	AE	N	C
NBRGP0031GCZZ	4- 6	AC		C
NBRGP0032GCZZ	7- 3	AC		C
NFANP0003GCZZ	4- 5	AF		C
NGERH0071GCZZ	4- 17	AC		C
NGERH0072GCZZ	4- 18	AD		C
NGERH0074GCZZ	4- 21	AC		C
NGERH0075GCZ1	4- 3	AF	N	C
NGERH0076GCZZ	4- 2	AC		C
NGERH0077GCZZ	4- 22	AC		C
NGERH0078GCZZ	4- 20	AC		C
NGERH0080GCZZ	6- 10	AE		C
NGERH0082GCZ1	7- 2	AC	N	C
NGERH0083GCZZ	8- 12	AC		C
NGERH0094GCZZ	4- 10	AC		C
NGERH0095GCZZ	4- 13	AD		C
NGERH0096GCZZ	4- 14	AC		C
NGERH0097GCZZ	8- 7	AC	N	C
NGERH0098SCZZ	8- 29	AD	N	C
NGERH2201XHZA	1- 59	AG		C
NGERH2204XHZZ	1- 13	AM		C
NGERH2207XHZZ	1- 47	AD		C
NGERH2240XHZZ	1- 60	AC		C
NGERH2261XHZZ	1- 61	AC		C
NGERP2287SCZZ	2- 11	AC	N	C
NROLM0061GCZ1	8- 13	AT	N	C
NRÖLP0056GCZ1	6- 15	AR	N	C
NRÖLP0057GCZZ	8- 1	AG		C
NRÖLP0059GCZZ	7- 18	AC	N	C
NRÖLP0060GCZ1	7- 1	AY	N	C
NRÖLP0066GCZZ	8- 18	AG	N	C
NRÖLP0095GCZZ	8- 19	AH	N	C
NRÖLP2249XHZZ	1- 15	AE		C
NRÖLP2300XHZZ	1- 48	AC		C
NRÖLR2317SCZZ	1- 16	AK	N	C
NRÖLR2318SCZZ	1- 49	AK	N	C
NRÖLR2319SCZZ	1- 17	AM	N	C
NSFTZ2252SCZZ	1- 50	AC		C
〔P〕				
PBARM0001GCZ1	8- 16	AE	N	C
PBRS-2046SCZZ	1- 51	AE	N	C
PCASZ0019GCZZ	7- 23	AF		C
PCÖVP0038GCZZ	7- 26	AA		C
PCÖVP0046GCZ1	4- 11	AC	N	C
PCÖVP0048GCZZ	8- 6	AV	N	C
PCÖVP0072GCZZ	8- 20	AG	N	C
PCÖVP2102SCZZ	1- 81	AG	N	C
PFLT-2011SCZZ	1- 99	AA	N	C
PGiDM0046GCZ1	5- 3	AE	N	C
PGiDM2428SCBL	2- 12	AF	N	C
PGiDM2428SCBR	2- 13	AF	N	C
PGiDP2424SCZZ	1- 52	AX	N	C
PGiDP2427SCZZ	1- 56	AR	N	C
PGLSP2043SCZZ	3- 6	AF		C
PLNS-2043XHZZ	3- 7	AU		B
PMiR-2061SCZZ	3- 8	AG		C
PMiR-2062SCZZ	3- 9	AH		C
PMLT-0053GCZZ	8- 28	AB	N	C
PMLT-0054GCZZ	8- 27	AB	N	C
PMLT-2007SCZZ	1- 87	AC	N	C
PMLT-2008SCZZ	1- 88	AC	N	C
PPiPP0003GCZ1	6- 11	AC	N	C
PPiPP0006GCZ1	6- 13	AC	N	C
PRNGP0026FCZZ	4- 7	AA		C
PSHEG0113GCZ1	7- 9	AF	N	C
PSHEP0115GCZ1	7- 22	AK	N	C
PSHEP0150GCZZ	7- 31	AC	N	C
PSHEP0151GCZZ	7- 30	AD	N	C
PSHEP0157GCZZ	6- 18	AC	N	C
PSHEP0158GCZZ	7- 32	AD	N	C
PSHEP0162GCZZ	5- 8	AC		C
PSHEP0163GCZZ	6- 22	AC	N	C
PSHEP0164GCZZ	6- 23	AK		C
PSHEP0165GCZZ	6- 20	AB	N	C
PSHEP0166GCZZ	6- 21	AC	N	C
PSHEP0167GCZZ	8- 31	AC	N	C
PSHEP0168GCZZ	7- 39	AD	N	C
PSHEP0171GCZZ	6- 24	AF		C
PSHEZ3119SCZZ	1- 69	AE	N	C
PSHEZ3120SCZZ	1- 53	AC	N	C
PSHEZ3125SCZZ	1- 96	AB	N	C
PSHEZ3126SCZZ	3- 10	AC	N	C
PSHEZ3128SCZZ	14- 8	AB	N	C
PSHEZ3129SCZZ	3- 11	AB	N	C
PSHEZ3134SCZZ	7- 40	AE	N	C
PSHEZ3147SCZZ	1- 19	AD	N	C
PSHEZ3148SCZZ	1- 20	AE	N	C
PSHEZ3149SCZZ	1- 92	AD	N	C
PSHEZ3169SCZZ	1- 70	AC	N	C
PSHEZ3174SCZZ	2- 15	AC	N	C
PSHEZ3183SCZZ	1- 86	AC	N	C
PSHEZ3187SCZZ	1- 94	AC	N	C
PSHEZ3188SCZZ	1- 95	AD	N	C
PSHEZ3189SCZZ	1- 91	AD	N	C
PSHEZ3190SCZZ	3- 15	AB	N	C
PSHEZ3191SCZZ	3- 16	AB	N	C
PSPAZ0026GCZZ	7- 33	AD	N	C
PSPAZ2208SCZZ	1- 71	AC	N	C
PTME-0020GCZZ	8- 22	AG	N	C
〔Q〕				
QACCF732ASCZZ	1- 65	AZ		E
QACCV662AXHZZ	1- 65	AZ		B
QCNCM2401SC0B	10- 91	AA		C
//	11- 70	AA		B
QCNCM2401SC0C	12- 49	AB		C
QCNCM2456SC2F	10- 92	AG		C
QCNCM2456SC3B	10- 92	AH		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
QCNCM2465SC3J	10- 90	AF		C
QCNCM2473SC0D	12- 43	AC	N	C
QCNCM2482SC2B	10- 94	AE		C
QCNCM7014SC0B	11- 71	AD		B
//	11- 74	AD		B
//	12- 42	AD		C
QCNCM7014SC0E	12- 47	AB		C
QCNCM7014SC0F	10- 96	AB		C
QCNCM7014SC0G	10- 89	AB		C
QCNCM704BAFZZ	12- 44	AB	N	C
QCNCM768EAFZZ	12- 50	AC	N	C
QCNCM886PAFZZ	12- 51	AF	N	C
QCNCM894KAFZZ	12- 46	AF	N	C
QCNCM894MAFZZ	12- 45	AG	N	C
QCNCW0053GCZZ	12- 41	AD	N	C
QCNCW2436SC2F	11- 72	AG	N	C
QCNCW2436SC3B	11- 72	AH	N	C
QCNCW690KAFZZ	10- 95	AD	N	C
QCNCW690MAFZZ	10- 93	AD	N	C
QCNW-3975XHGY	9- 7	AG		C
QCNW-3976XHOG	9- 8	AT		C
QCNW-4420SCZZ	14- 3	AG	N	C
QCNW-4421SCZZ	3- 12	AD	N	C
QCNW-4424SCZZ	1- 75	AR	N	C
QCNW-4425SCZZ	1- 54	AD	N	
QCNW-4426SCZZ	11- 300	AD	N	C
//	11- 300	AD	N	C
QCNW-4428SCZZ	4- 47	AF	N	C
QCNW-4478SCZZ	12- 63	AC	N	C
QCNW-4489SCZZ	11- 3	AD	N	C
//	11- 79	AD	N	C
QCNW-4490SCZZ	12- 48	AF	N	C
QCNW-4499SCZZ	12- 64	AC	N	C
QFS-T0005GCZZ	8- 8	AQ	N	B
QFS-T0006GCBZ	8- 24	AN	N	C
QJAKZ2051SCFB	11- 73	AG	N	C
QJAKZ2051SC0B	11- 116	AF		C
QJAKZ2052SC0D	11- 117	AE		C
QSLP-0028GCZZ	7- 15	AE		C
QSLP-0029GCZZ	8- 5	AD		C
QSLP-0030GCZZ	8- 17	AD		C
QSLP-0032GCZZ	7- 12	AD		C
QSOCZ2051SC32	10- 102	AC		C
QSOCZ6428ACZZ	10- 104	AE		C
QSW-S2166SC03	11- 241	AC		B
//	11- 242	AC		B
QSW-Z2206SCZZ	11- 301	AH		B
//	11- 301	AH		B
QSWHXW5000///	10- 317	AE	N	B
QTANN2046SCZZ	12- 1	AC		C
//	12- 61	AC		C
//	12- 62	AC		C
//	12- 73	AC		C
//	12- 145	AC		C
QTANN2047SCZZ	11- 2	AC		C
[R]				
RC-FZ2021SCZZ	11- 16	AC		C
RC-GZA475AF1E	12- 16	AC		C
//	12- 32	AC		C
RC-GZA476AF1A	12- 5	AC		C
//	12- 21	AC		C
RCiLL0145AFZZ	11- 89	AF		C
RCiLZ1044CCZZ	10- 129	AC		C
//	10- 132	AC		C
//	10- 134	AC		C
RCiLZ2089SCZZ	11- 91	AG		C
RCiLZ2104SCZZ	10- 130	AK	N	C
RCiLZ2122SCZZ	11- 96	AC	N	C
//	11- 98	AC	N	C
RCiLZ2128SCZZ	12- 71	AF	N	C
//	12- 72	AF	N	C
RCiLZ2129SCZZ	11- 100	AE	N	C
RCORF2063SCZZ	1- 82	AE		B
RCORF2064SCZZ	3- 14	AE		B
RCORF2098SCZZ	10- 135	AE	N	C
RCRSP0074AFZZ	10- 321	AE		B
RCRSP2106SCZZ	10- 319	AG	N	B
RCRSQ2056SCZZ	10- 320	AG		B
RCRSZ0017GCZZ	12- 148	AH	N	B
RCRSZ7008SCZZ	10- 318	AD		B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
RDENT2092XHZZ	1- 73	BS	N	E
//	13- 901	BS	N	E
RDTCT0019GCZZ	8- 9	AP	N	B
RFiLN2011SCZZ	11- 93	AC	N	C
//	11- 94	AC	N	C
//	11- 95	AC	N	C
RH-DX2007SCZZ	11- 239	AC		B
//	11- 240	AC		B
RLMPU0011GCZ1	8- 14	AX	N	B
RMOTN0023GCZZ	6- 7	AX	N	B
RMOTZ2118SCZZ	1- 62	AV	N	B
RMPTC8103QCKB	12- 2	AD		B
RPLU-0003GCZ1	6- 2	AM	N	B
RRLYZ0166AFZZ	11- 69	AH		B
RRLYZ3411SCZZ	11- 69	AR		B
RTRNi2142XHZZ	11- 244	AR		B
RTRNZ0011GCZZ	12- 143	AL	N	B
RTRNZ0012GCZZ	12- 144	AL	N	B
RTRNZ2128XHZZ	11- 243	AS		B
RTRNZ2140XHZZ	11- 243	AN		B
RVR-M0586AFZZ	12- 147	AC	N	B
RVR-Q1402QCZZ	11- 247	AD		B
[S]				
SPAKA4644SCZZ	9- 9	AN	N	D
SPAKA4645SCZZ	9- 10	AE	N	D
SPAKA4646SCZZ	9- 13	AL	N	D
SPAKA4647SCZZ	9- 14	AK	N	D
SPAKC4701SCZZ	9- 15	AX	N	D
SPAKP4381XHZZ	9- 16	AG		D
[T]				
TiNSE3573SCZZ	9- 11	AT	N	D
TiNST3575SCZZ	9- 11	AW	N	D
TLABH3775SCZA	9- 12	AE	N	D
TLABP3078SCZZ	10- 322	AA		D
TLABZ0202GCZ2	5- 9	AD	N	D
TLABZ0205GCZZ	6- 25	AC	N	D
[U]				
UBATL2034SCZZ	10- 1	AH		B
[V]				
VCCCPU1HH270J	12- 13	AA		C
//	12- 14	AA		C
VCCCTV1HH101J	10- 16	AA		C
VCCCTV1HH180J	10- 39	AA		C
//	10- 74	AA		C
//	10- 78	AA		C
//	10- 88	AA		C
VCCCTV1HH221J	11- 44	AA		C
//	11- 56	AA		C
VCCCTV1HH300J	10- 32	AA		C
//	10- 38	AA		C
VCCCTV1HH330J	10- 77	AA		C
//	10- 85	AA		C
VCCSTV1HH511J	11- 67	AB	N	C
VCCSTV1HL102J	10- 42	AA		C
//	10- 45	AA		C
//	10- 73	AA		C
VCCSTV1HL391J	10- 54	AA		C
VCEAEA0JW107M	11- 14	AA		C
VCEAEA1AW336M	11- 7	AA		C
VCEAEA1CW106M	10- 7	AC	N	C
//	10- 9	AC	N	C
//	10- 10	AC	N	C
//	10- 11	AC	N	C
VCEAEA1CW336M	10- 3	AB		C
VCEAEA1CW476M	10- 2	AA		C
VCEAEA1EW475M	10- 8	AA		C
VCEAEA1EW476M	10- 4	AB		C
//	10- 5	AB		C
//	11- 4	AB		C
//	11- 6	AB		C
//	11- 9	AB		C
//	11- 10	AB		C
//	11- 11	AB		C
//	11- 12	AB		C
//	11- 24	AB		C
VCEAEA1HW104M	11- 12	AB	N	C
//	11- 15	AB	N	C
//	11- 21	AB	N	C
//	11- 27	AB	N	C
//	11- 34	AB	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCEAEA1HW104M	11- 35	AB	N	C
VCEAEA1HW105M	11- 5	AC		C
//	11- 10	AC		C
//	11- 20	AC		C
//	11- 21	AC		C
//	11- 22	AC		C
//	11- 23	AC		C
//	11- 24	AC		C
//	11- 25	AC		C
//	11- 28	AC		C
//	11- 29	AC		C
//	11- 30	AC		C
//	11- 33	AC		C
VCEAEA1HW106M	11- 8	AA		C
VCEAEA1HW225M	10- 6	AA		C
//	11- 8	AA		C
//	11- 11	AA		C
//	11- 22	AA		C
//	11- 28	AA		C
//	11- 29	AA		C
VCEAEA1HW334M	11- 14	AA	N	C
VCEAEA1HW475M	11- 6	AA		C
//	11- 13	AA		C
//	11- 18	AA		C
//	11- 20	AA		C
//	11- 25	AA		C
//	11- 26	AA		C
//	11- 31	AA		C
VCEAGA1EW107M	11- 26	AB		C
VCEAJA1EW226M	14- 1	AB		C
VCFYJU2EA153K	12- 34	AD	N	C
VCFYJU2EA474K	11- 17	AD		C
VCKYPU1HB102K	12- 31	AA		C
//	12- 37	AA		C
//	12- 38	AA		C
//	12- 39	AA		C
VCKYPU1HB472K	12- 8	AA		C
//	12- 9	AA		C
//	12- 10	AA		C
//	12- 15	AA		C
//	12- 18	AA		C
//	12- 19	AA		C
//	12- 22	AA		C
VCKYPU1HB822K	11- 10	AB		C
VCKYQY3AB102K	12- 28	AC	N	C
VCKYQY3DB151K	12- 26	AC	N	C
VCKYQY3FB102K	12- 27	AD	N	C
VCKYTQ1CB224K	11- 55	AC	N	C
VCKYTQ1CF105Z	10- 64	AE	N	C
//	10- 76	AE	N	C
VCKYTQ1CF225Z	10- 35	AC	N	C
VCKYTQ1EF104Z	10- 46	AA		C
//	10- 57	AA		C
//	10- 58	AA		C
//	14- 2	AA		C
VCKYTQ1HB103K	11- 54	AA	N	C
VCKYTQ1HB104K	11- 53	AB		C
//	11- 59	AB		C
//	11- 61	AB		C
//	11- 62	AB		C
VCKYTQ1HB123K	11- 39	AC		C
VCKYTQ1HB473K	11- 47	AA		C
VCKYTQ1HB563K	11- 39	AA		C
VCKYTV1CF105Z	10- 36	AB		C
//	10- 37	AB		C
//	10- 61	AB		C
VCKYTV1EF104Z	10- 12	AA		C
//	10- 15	AA		C
//	10- 17	AA		C
//	10- 22	AA		C
//	10- 23	AA		C
//	10- 24	AA		C
//	10- 25	AA		C
//	10- 26	AA		C
//	10- 29	AA		C
//	10- 33	AA		C
//	10- 34	AA		C
//	10- 40	AA		C
//	10- 43	AA		C
//	10- 44	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1EF104Z	10- 47	AA		C
〃	10- 48	AA		C
〃	10- 49	AA		C
〃	10- 55	AA		C
〃	10- 59	AA		C
〃	10- 60	AA		C
〃	10- 62	AA		C
〃	10- 63	AA		C
〃	10- 65	AA		C
〃	10- 68	AA		C
〃	10- 69	AA		C
〃	10- 70	AA		C
〃	10- 71	AA		C
〃	10- 75	AA		C
〃	10- 80	AA		C
〃	10- 81	AA		C
〃	10- 82	AA		C
〃	10- 83	AA		C
〃	10- 84	AA		C
〃	10- 86	AA		C
〃	10- 87	AA		C
VCKYTV1HB102K	11- 42	AA		C
〃	11- 48	AA		C
〃	11- 53	AA		C
VCKYTV1HB103K	10- 27	AB		C
〃	10- 79	AB		C
〃	11- 36	AB		C
〃	11- 38	AB		C
〃	11- 40	AB		C
〃	11- 43	AB		C
〃	11- 48	AB		C
〃	11- 49	AB		C
〃	11- 50	AB		C
VCKYTV1HB121K	11- 57	AA		C
VCKYTV1HB152K	11- 45	AA		C
VCKYTV1HB182K	11- 57	AA		C
〃	11- 67	AA		C
VCKYTV1HB183K	11- 46	AA		C
VCKYTV1HB221K	11- 44	AA		C
〃	11- 47	AA		C
VCKYTV1HB222K	10- 13	AA		C
〃	10- 14	AA		C
〃	10- 18	AA		C
〃	10- 19	AA		C
〃	10- 21	AA		C
〃	10- 28	AA		C
〃	10- 30	AA		C
〃	10- 31	AA		C
〃	10- 41	AA		C
〃	10- 50	AA		C
〃	10- 51	AA		C
〃	10- 52	AA		C
〃	10- 53	AA		C
〃	10- 56	AA		C
〃	10- 67	AA		C
〃	10- 72	AA		C
〃	11- 41	AA		C
〃	11- 43	AA		C
VCKYTV1HB331K	11- 40	AA		C
〃	11- 50	AA		C
〃	11- 52	AA		C
VCKYTV1HB392K	11- 68	AA		C
VCKYTV1HB472K	10- 20	AA		C
〃	11- 45	AA		C
VCKYTV1HB561K	11- 56	AA		C
VCKYTV1HB562K	11- 42	AA		C
VCKYTV1HB681K	10- 66	AA		C
〃	11- 66	AA		C
VCKYTV1HB822K	11- 64	AA		C
VCKYTV1HF223Z	11- 36	AA		C
〃	11- 37	AA		C
〃	11- 38	AA		C
〃	11- 39	AA		C
〃	11- 41	AA		C
〃	11- 44	AA		C
〃	11- 46	AA		C
〃	11- 49	AA		C
〃	11- 51	AA		C
〃	11- 52	AA		C
〃	11- 58	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1HF223Z	11- 63	AA		C
〃	11- 65	AA		C
VCQYNA1HM153K	12- 33	AB		C
VCQYNA1HM222K	12- 29	AA		C
VCQYNA1HM333K	11- 19	AA		C
〃	11- 32	AA		C
VCQYNA1HM472K	12- 30	AA	N	C
〃	12- 36	AA	N	C
VCTYPU1HF104Z	12- 3	AB		C
〃	12- 4	AB		C
〃	12- 6	AB		C
〃	12- 7	AB		C
〃	12- 11	AB		C
〃	12- 12	AB		C
〃	12- 17	AB		C
〃	12- 20	AB		C
〃	12- 23	AB		C
〃	12- 24	AB		C
VHDDAP202U/-1	10- 97	AB		B
VHDDSM1D1//-1	12- 56	AB	N	B
〃	12- 57	AB	N	B
〃	12- 58	AB	N	B
〃	12- 59	AB	N	B
VHDDSS131//-1	11- 75	AA		B
〃	11- 76	AA		B
〃	11- 77	AA		B
VHDDSS133//-1	11- 78	AA		B
〃	12- 52	AA		B
VHDRB400D//-1	10- 98	AC		B
VHDSHV02///-1	12- 55	AD		B
VHDSHV03///-1	12- 53	AE		B
〃	12- 54	AE		B
VHD1N4148//-1	13- 12	AA		B
VHD1SS355//-1	10- 99	AB	N	B
〃	10- 100	AB	N	B
VHED2.4ESAB11	12- 150	AC	N	B
〃	12- 153	AC	N	B
〃	12- 154	AC	N	B
VHEHZ11A3//-1	11- 248	AB	N	B
VHEHZ15-2//-1	11- 257	AB	N	B
VHEHZ2C1///-1	11- 248	AA	N	B
〃	11- 249	AA	N	B
〃	11- 252	AA	N	B
〃	11- 253	AA	N	B
〃	11- 254	AA	N	B
〃	11- 255	AA	N	B
VHEHZ24-2//-1	11- 258	AB	N	B
VHEHZ27-1//-1	11- 251	AB	N	B
VHEHZ3B1///-1	11- 249	AB	N	B
〃	11- 253	AB	N	B
〃	11- 254	AB	N	B
〃	11- 255	AB	N	B
〃	11- 256	AB	N	B
〃	11- 259	AB	N	B
〃	11- 260	AB	N	B
VHEHZ36-3//-1	11- 258	AD		B
VHEHZ6A3///-1	11- 250	AC	N	B
VHEHZ9A2///-1	11- 248	AB		B
VHERD3.9EB2-1	12- 149	AB	N	B
VHERD30JSAB21	12- 151	AC	N	B
〃	12- 152	AC	N	B
VHE1ZB200Y/-1	12- 155	AF	N	B
VHE1ZB300X/-1	12- 156	AF	N	B
VHH103AT-2B-1	12- 146	AF	N	B
VHiBU4053BCF1	11- 82	AE	N	B
〃	11- 85	AE	N	B
VHiBU4066BCF1	11- 84	AD	N	B
VHiHM514800J8	10- 120	BG		B
〃	10- 121	BG		B
VHiLB1730//-1	10- 107	AH		B
VHiLH5268TH10	10- 119	AR		B
VHiLR38271///	10- 117	AY	N	B
VHiLZ9FJ32/-1	10- 118	AY	N	B
VHiMB4256A70/	10- 113	AZ	N	B
〃	10- 114	AZ	N	B
〃	10- 116	AZ	N	B
VHiMC14051BF-	11- 83	AE	N	B
VHiMC74HC10-1	12- 69	AE	N	B
VHiM5255CF70L	10- 111	AW	N	B
VHiNJM2113M-1	11- 82	AG	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VHiNJM2113M-1	11- 85	AG	N	B
VHiNJM2903M-1	10- 125	AD	N	B
VHiNJM2904M-1	10- 126	AE	N	B
VHiNJM4558F-1	10- 124	AD		B
VHiNJM4558M-1	11- 83	AD	N	B
〃	11- 84	AD	N	B
〃	11- 86	AD	N	B
〃	11- 87	AD	N	B
VHiNJU6355E-1	10- 122	AM	N	B
VHiPQ12RF1/-1	10- 108	AG		B
VHiPST591CMT1	10- 123	AE	N	B
VHiR96DFXL/-1	10- 115	BL		B
VHiTA7291S/-1	12- 65	AF		B
〃	12- 66	AF		B
VHiTCD1206UP1	14- 4	AX		B
VHiTEA1062A-1	11- 80	AR	N	B
VHiTHS65//-1A	11- 81	AF		B
VHiTLS1019/-1	10- 112	AU	N	B
VHiT377P33C53	12- 68	BC	N	B
VHiULN2003AN/	12- 67	AE		B
VHiULN2003ANS	10- 106	AE		B
VHiZ8018008FS	10- 109	AV		B
〃	10- 110	AV		B
VHi27020FEA0B	10- 102	BA		B
VHi27020FEC0A	10- 102	BA		B
VHi27020FED0D	10- 102	BA		B
VHi27020FEE0B	10- 102	BA		B
VHi27512FHH0E	10- 105	BL	N	B
VHi74HCU04F-1	10- 127	AC		B
VHPGP1S53V/-1	12- 74	AE		B
〃	12- 75	AE		B
VHPPC814///-1	11- 118	AE		B
VHPPC817CD/-1	11- 120	AC		B
VHPRPi-574///	10- 139	AF	N	B
〃	10- 140	AF	N	B
VHPSNK08B24-1	3- 13	AU		B
VHPTLP521-1BL	11- 119	AE		B
〃	11- 121	AE		B
〃	11- 122	AE		B
〃	11- 123	AE		B
〃	11- 124	AE		B
VHPTLP627//-1	11- 119	AH		B
VHVDSS401M/-1	11- 1	AG	N	B
VHViCPN20//-1	10- 101	AD		B
VHViCPN25//-1	12- 70	AD	N	B
VHVSR3YP600A1	11- 1	AM		B
VHVTN07G101-1	11- 246	AB		B
VHVTN07G271-1	11- 246	AC		B
VHVTN07G471-1	11- 245	AB	N	B
〃	11- 246	AB	N	B
VHVT83A350/-1	11- 1	AM		B
VRD-HT2EY000J	11- 76	AA		C
VRD-HT2EY100J	12- 113	AA	N	C
VRD-HT2EY102J	12- 87	AA		C
〃	12- 106	AA		C
〃	12- 114	AA		C
VRD-HT2EY103J	12- 89	AA		C
〃	12- 97	AA		C
〃	12- 99	AA		C
〃	12- 100	AA		C
〃	12- 101	AA		C
〃	12- 102	AA		C
〃	12- 103	AA		C
〃	12- 104	AA		C
〃	12- 109	AA		C
〃	12- 138	AA		C
VRD-HT2EY104J	12- 139	AA		C
VRD-HT2EY105J	12- 111	AA		C
〃	12- 124	AA		C
〃	12- 125	AA		C
VRD-HT2EY153J	12- 131	AA		C
〃	12- 136	AA		C
VRD-HT2EY203J	12- 88	AA		C
〃	12- 95	AA		C
〃	12- 96	AA		C
〃	12- 98	AA		C
〃	12- 110	AA		C
〃	12- 137	AA		C
VRD-HT2EY243J	11- 145	AA		C
VRD-HT2EY300J	11- 142	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRD-HT2EY364J	12- 120	AA		C
VRD-HT2EY392J	12- 93	AA		C
VRD-HT2EY471J	12- 105	AA		C
VRD-HT2EY472J	12- 132	AA		C
〃	12- 135	AA		C
〃	12- 141	AA		C
〃	12- 142	AA		C
VRD-HT2EY473J	12- 90	AA		C
VRD-HT2EY512J	12- 107	AA		C
〃	12- 112	AA		C
〃	12- 126	AA		C
〃	12- 127	AA		C
VRD-HT2EY561J	12- 115	AA	N	C
〃	12- 122	AA	N	C
〃	12- 123	AA	N	C
VRD-HT2EY620J	12- 128	AA	N	C
〃	12- 133	AA	N	C
VRD-HT2EY681J	12- 108	AA		C
VRD-HT2EY754J	12- 121	AA	N	C
VRD-HT2EY822J	12- 92	AA		C
VRD-HT2EY910J	11- 141	AA		C
VRD-HT2HY101J	11- 143	AA		C
VRD-HT2HY200J	11- 142	AA		C
VRD-HT2HY223J	11- 144	AA		C
VRD-HT2HY270J	11- 142	AA		C
VRD-HT2HY3R0J	12- 130	AB	N	C
〃	12- 134	AB	N	C
VRD-HT2HY331J	10- 142	AA		C
〃	10- 143	AA		C
VRD-HT2HY430J	11- 141	AA		C
VRD-HT2HY513J	11- 147	AA	N	C
VRD-HT2HY910J	12- 94	AA	N	C
VRD-RC2EY000J	11- 90	AA		C
〃	11- 91	AA		C
〃	11- 92	AA		C
〃	11- 93	AA		C
〃	11- 97	AA		C
〃	11- 99	AA		C
〃	11- 101	AA		C
〃	11- 102	AA		C
〃	11- 103	AA		C
〃	11- 104	AA		C
〃	11- 105	AA		C
〃	11- 106	AA		C
〃	11- 107	AA		C
〃	11- 108	AA		C
〃	11- 109	AA		C
〃	11- 110	AA		C
〃	11- 111	AA		C
〃	11- 112	AA		C
〃	11- 113	AA		C
VRH-PT2HF395J	12- 119	AC	N	C
VRHDPT3AF395J	12- 117	AD	N	C
VRHDPT3AF825J	12- 118	AD	N	C
VRHVKU2HD257M	12- 140	AG	N	C
VRNHT2EK1002F	12- 86	AA		C
VRNHT2EK1102F	12- 129	AA	N	C
VRNHT2EK1502F	12- 91	AA	N	C
VRS-HT3AA333J	11- 146	AA		C
VRS-TP2BD000J	10- 128	AA		C
〃	10- 131	AA		C
〃	10- 133	AA		C
〃	10- 136	AA		C
〃	10- 259	AA		C
〃	11- 60	AA		C
〃	11- 88	AA		C
VRS-TP2BD201J	10- 261	AA		C
VRS-TP2BD221J	11- 165	AB		C
VRS-TP2BD222J	14- 6	AA		C
VRS-TP2BD390J	14- 7	AA		C
VRS-TP2BD561J	10- 144	AA		C
VRS-TS2AD000J	10- 150	AA		C
〃	10- 151	AA		C
〃	10- 163	AA		C
〃	10- 164	AA		C
〃	10- 165	AA		C
〃	10- 171	AA		C
〃	10- 172	AA		C
〃	10- 173	AA		C
〃	10- 174	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD000J	10- 175	AA		C
〃	10- 184	AA		C
〃	10- 189	AA		C
〃	10- 198	AA		C
〃	10- 203	AA		C
〃	10- 207	AA		C
〃	10- 231	AA		C
〃	10- 246	AA		C
〃	10- 252	AA		C
〃	10- 267	AA		C
〃	10- 274	AA		C
〃	10- 295	AA		C
〃	10- 300	AA		C
〃	11- 114	AA		C
〃	11- 115	AA		C
〃	11- 156	AA		C
〃	11- 159	AA		C
〃	11- 162	AA		C
〃	11- 165	AA		C
〃	11- 173	AA		C
〃	11- 175	AA		C
〃	11- 195	AA		C
〃	11- 199	AA		C
〃	11- 202	AA		C
〃	11- 208	AA		C
〃	11- 212	AA		C
〃	11- 229	AA		C
〃	11- 231	AA		C
〃	11- 232	AA		C
〃	11- 233	AA		C
〃	11- 234	AA		C
〃	11- 235	AA		C
〃	11- 236	AA		C
〃	11- 237	AA		C
〃	11- 238	AA		C
VRS-TS2AD100J	10- 185	AA		C
〃	10- 186	AA		C
〃	10- 190	AA		C
〃	10- 191	AA		C
〃	10- 192	AA		C
〃	10- 193	AA		C
〃	10- 194	AA		C
〃	10- 195	AA		C
〃	10- 210	AA		C
〃	10- 211	AA		C
〃	10- 212	AA		C
〃	10- 213	AA		C
〃	10- 218	AA		C
〃	10- 233	AA		C
〃	10- 234	AA		C
〃	10- 235	AA		C
〃	10- 236	AA		C
〃	10- 237	AA		C
〃	10- 239	AA		C
〃	10- 240	AA		C
〃	10- 255	AA		C
〃	10- 256	AA		C
〃	10- 257	AA		C
〃	10- 258	AA		C
〃	10- 262	AA		C
〃	10- 263	AA		C
〃	10- 264	AA		C
〃	10- 265	AA		C
〃	10- 266	AA		C
〃	10- 276	AA		C
〃	10- 296	AA		C
〃	10- 297	AA		C
〃	10- 298	AA		C
〃	10- 299	AA		C
〃	11- 166	AA		C
VRS-TS2AD101J	10- 183	AA		C
〃	10- 196	AA		C
〃	10- 230	AA		C
〃	10- 245	AA		C
VRS-TS2AD102J	10- 187	AA		C
〃	11- 149	AA		C
〃	11- 150	AA		C
〃	11- 160	AA		C
〃	11- 186	AA		C
〃	11- 192	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD102J	11- 204	AA		C
VRS-TS2AD103J	10- 153	AA		C
〃	10- 156	AA		C
〃	10- 169	AA		C
〃	10- 170	AA		C
〃	10- 197	AA		C
〃	10- 202	AA		C
〃	10- 205	AA		C
〃	10- 227	AA		C
〃	10- 232	AA		C
〃	10- 241	AA		C
〃	10- 242	AA		C
〃	10- 243	AA		C
〃	10- 244	AA		C
〃	10- 247	AA		C
〃	10- 275	AA		C
〃	10- 284	AA		C
〃	10- 301	AA		C
〃	10- 302	AA		C
〃	11- 152	AA		C
〃	11- 153	AA		C
〃	11- 160	AA		C
〃	11- 166	AA		C
〃	11- 169	AA		C
〃	11- 171	AA		C
〃	11- 172	AA		C
〃	11- 173	AA		C
〃	11- 178	AA		C
〃	11- 182	AA		C
〃	11- 183	AA		C
〃	11- 207	AA		C
〃	11- 219	AA		C
〃	11- 221	AA		C
〃	11- 225	AA		C
〃	11- 226	AA		C
VRS-TS2AD104J	11- 151	AA		C
〃	11- 154	AA		C
〃	11- 162	AA		C
〃	11- 163	AA		C
〃	11- 173	AA		C
〃	11- 188	AA		C
〃	11- 189	AA		C
〃	11- 196	AA		C
〃	11- 204	AA		C
〃	11- 206	AA		C
〃	11- 209	AA		C
〃	11- 213	AA		C
〃	11- 227	AA		C
VRS-TS2AD105J	10- 251	AA		C
VRS-TS2AD113J	11- 155	AA	N	C
VRS-TS2AD122J	11- 161	AA		C
VRS-TS2AD124J	11- 175	AA		C
〃	11- 215	AA		C
VRS-TS2AD133J	11- 224	AA		C
VRS-TS2AD134J	11- 190	AA		C
VRS-TS2AD151J	11- 168	AA		C
〃	11- 194	AA		C
VRS-TS2AD152J	10- 166	AA		C
〃	10- 303	AA		C
VRS-TS2AD153J	10- 199	AA		C
〃	11- 178	AA		C
〃	11- 190	AA		C
〃	11- 191	AA		C
VRS-TS2AD154J	11- 172	AA		C
〃	11- 174	AA		C
〃	11- 185	AA		C
VRS-TS2AD163J	11- 207	AA		C
VRS-TS2AD182J	11- 186	AA		C
VRS-TS2AD183J	11- 158	AA		C
VRS-TS2AD184J	11- 157	AA		C
VRS-TS2AD203J	11- 168	AA		C
〃	11- 177	AA		C
〃	11- 202	AA		C
〃	11- 203	AA		C
〃	11- 206	AA		C
〃	11- 220	AA		C
〃	11- 224	AA		C
VRS-TS2AD221J	10- 152	AA		C
〃	10- 214	AA		C
〃	10- 225	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD221J	10- 229	AA		C
〃	11- 214	AA		C
〃	11- 216	AA		C
〃	11- 217	AA		C
〃	11- 218	AA		C
VRS-TS2AD222J	11- 193	AA		C
VRS-TS2AD223J	10- 169	AA		C
〃	11- 151	AA		C
〃	11- 156	AA		C
〃	11- 157	AA		C
〃	11- 158	AA		C
〃	11- 164	AA		C
〃	11- 171	AA		C
〃	11- 179	AA		C
〃	11- 180	AA		C
〃	11- 181	AA		C
〃	11- 182	AA		C
〃	11- 197	AA		C
〃	11- 198	AA		C
〃	11- 199	AA		C
〃	11- 200	AA		C
VRS-TS2AD224J	11- 198	AA		C
VRS-TS2AD241J	11- 185	AA		C
〃	11- 186	AA		C
VRS-TS2AD243J	11- 169	AA		C
〃	11- 170	AA		C
VRS-TS2AD271J	10- 147	AA		C
〃	10- 149	AA		C
〃	10- 158	AA		C
〃	10- 160	AA		C
〃	10- 161	AA		C
〃	10- 162	AA		C
〃	10- 168	AA		C
〃	10- 179	AA		C
〃	10- 217	AA		C
〃	10- 222	AA		C
〃	10- 248	AA		C
〃	10- 282	AA		C
〃	10- 283	AA		C
VRS-TS2AD273J	11- 154	AA		C
〃	11- 169	AA		C
〃	11- 170	AA		C
VRS-TS2AD3R0J	10- 208	AA		C
〃	10- 253	AA		C
VRS-TS2AD301J	11- 163	AA		C
VRS-TS2AD302J	10- 166	AA		C
〃	10- 170	AA		C
〃	10- 250	AA		C
〃	11- 210	AA		C
VRS-TS2AD330J	10- 268	AA		C
〃	10- 269	AA		C
〃	10- 270	AA		C
〃	10- 271	AA		C
〃	10- 272	AA		C
〃	10- 273	AA		C
〃	10- 277	AA		C
〃	10- 278	AA		C
〃	10- 279	AA		C
〃	10- 280	AA		C
〃	10- 281	AA		C
〃	10- 286	AA		C
〃	10- 287	AA		C
〃	10- 288	AA		C
〃	10- 289	AA		C
〃	10- 290	AA		C
〃	10- 291	AA		C
〃	10- 292	AA		C
〃	10- 293	AA		C
〃	10- 294	AA		C
〃	11- 167	AA		C
VRS-TS2AD331J	11- 149	AA		C
VRS-TS2AD332J	10- 216	AA		C
〃	11- 176	AA		C
〃	11- 194	AA		C
〃	11- 195	AA		C
VRS-TS2AD333J	10- 223	AA		C
〃	10- 224	AA		C
〃	11- 205	AA		C
〃	11- 222	AA		C
VRS-TS2AD363J	11- 152	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD364J	11- 211	AA		C
VRS-TS2AD391J	11- 185	AA		C
VRS-TS2AD392J	11- 187	AA		C
VRS-TS2AD393J	11- 176	AA		C
VRS-TS2AD432J	10- 200	AA	N	C
VRS-TS2AD433J	11- 152	AA		C
VRS-TS2AD471J	10- 146	AA		C
〃	10- 148	AA		C
〃	10- 157	AA		C
〃	10- 159	AA		C
〃	10- 167	AA		C
VRS-TS2AD472J	10- 180	AA		C
〃	10- 181	AA		C
〃	10- 182	AA		C
〃	10- 188	AA		C
〃	10- 201	AA		C
〃	10- 219	AA		C
〃	10- 220	AA		C
〃	10- 221	AA		C
〃	10- 285	AA		C
〃	11- 148	AA		C
〃	11- 197	AA		C
VRS-TS2AD473J	11- 230	AA		C
VRS-TS2AD511J	10- 176	AA		C
〃	10- 238	AA		C
〃	10- 254	AA		C
VRS-TS2AD512J	11- 164	AA		C
VRS-TS2AD513J	11- 189	AA		C
VRS-TS2AD562J	10- 145	AA		C
〃	10- 215	AA		C
VRS-TS2AD621J	11- 187	AA		C
〃	11- 188	AA		C
〃	11- 203	AA		C
〃	11- 204	AA		C
VRS-TS2AD622J	10- 206	AA		C
〃	11- 223	AA		C
VRS-TS2AD681J	11- 153	AA		C
〃	11- 177	AA		C
VRS-TS2AD683J	11- 192	AA		C
〃	11- 193	AA		C
VRS-TS2AD751J	11- 184	AA		C
VRS-TS2AD753J	11- 157	AA		C
〃	11- 180	AA		C
〃	11- 228	AA		C
VRS-TS2AD820J	10- 177	AA		C
〃	10- 178	AA		C
〃	10- 260	AA		C
VRS-TS2AD822J	11- 201	AA		C
VRS-TS2AD823J	11- 205	AA		C
VRS-TS2AD913J	11- 205	AA		C
VRSTS2AD1183F	10- 228	AA	N	C
VRSTS2AD1742F	10- 209	AA	N	C
VRSTS2AD3651F	11- 159	AA		C
VRSTS2AD4752F	10- 226	AA		C
VRSTS2AD8662F	10- 204	AA		C
〃	10- 249	AA		C
VSDTC114EK/-1	11- 126	AB	N	B
〃	11- 127	AB	N	B
〃	11- 129	AB	N	B
〃	11- 129	AB	N	B
〃	11- 130	AB	N	B
〃	11- 132	AB	N	B
〃	11- 133	AB	N	B
〃	11- 134	AB	N	B
〃	11- 138	AB	N	B
〃	11- 139	AB	N	B
〃	11- 140	AB	N	B
VS2SA1037KR-1	11- 130	AB		B
VS2SA1727//-1	11- 125	AE		B
VS2SA673-//-1	12- 76	AD	N	B
VS2SA933SS/-1	12- 79	AB	N	B
〃	12- 81	AB	N	B
〃	12- 83	AB	N	B
VS2SC1815Y/-1	12- 77	AC	N	B
〃	12- 78	AC	N	B
〃	12- 84	AC	N	B
〃	12- 85	AC	N	B
VS2SC2412KR-1	11- 127	AD	N	B
〃	11- 128	AD	N	B
〃	11- 131	AD	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VS2SC2412KR-1	11- 132	AD	N	B
〃	11- 133	AD	N	B
〃	11- 135	AD	N	B
〃	11- 136	AD	N	B
VS2SC2412KS-1	10- 141	AB		B
〃	14- 5	AB	N	B
VS2SC4061K/-1	11- 137	AC		B
VS2SC4883-/-1	12- 80	AF	N	B
〃	12- 82	AF	N	B
〔X〕				
XBPSD40P08K00	50-B15	AA		C
XBPSE30P06K00	50-B16	AA		C
XBPSE30P08K00	50-B19	AA		C
XBPSE30P12K00	50-B18	AA	N	C
XBPSN30P05K00	8- 3	AA		C
XBPSN30P06K00	4- 46	AB		C
XEBSD20P06000	50-B17	AA		C
XEBSD30P08000	4- 12	AA		C
〃	6- 1	AA		C
〃	7- 14	AA		C
〃	8- 30	AA		C
〃	50-B8	AA		C
XEBSD30P10000	50-B2	AA		C
XEBSE26P08000	50-B14	AA	N	C
XEBSE30P10000	8- 21	AA		C
〃	50-B3	AA		C
XEBSF30P06000	50-B13	AA		C
XEBSN30P16000	7- 38	AB	N	C
XEPSD30P06X00	50-B4	AA		C
XEPSD30P08X00	4- 16	AA		C
XHBSD30P06000	6- 6	AA		C
〃	50-B5	AA		C
XHBSE30P08000	50-B6	AA		C
XJPSD23P12000	50-B7	AA	N	C
XJPSD30P04000	50-B10	AA		C
XNGSN30-18000	8- 4	AC	N	C
XUBSD20P06000	50-B11	AA		C
XUBSD30P06000	50-B12	AA		C
〔0〕				
0CBBFZ89154Z/	13- 4	AC		C
0CBLRH0366ZR/	13- 75	AH		C
0CBLRH0367ZR/	13- 76	AH		C
0CBLRZ1167ZQ/	13- 77	AL		C
0CBPCZ0160ZZ/	13- 69	AE		C
0CBPFZ0273ZZ/	13- 66	AN		B
0CBPHZ0160ZZ/	13- 58	AU	N	B
0CBPJCZZ0037/	13- 62	AG		A
0CBPJCZZ0058/	13- 61	AH		A
0CBPJT0153ZZ/	13- 63	AE		A
0CBPKZ0194ZZ/	13- 67	AC		C
0CBPKZ0541ZZ/	13- 73	AD	N	C
0CBPKZ1123ZZ/	13- 68	AH		C
0CBPKZ1146ZZ/	13- 72	AD		C
0CBPKZ1147ZZ/	13- 71	AG		C
0CBPZZ0739ZZ/	13- 70	AE		C
0CBPZZ0831ZZ/	13- 64	AB		C
0CBUAC0004DZ/	13- 9	AC		B
0CBUAC0056BZ/	13- 7	AD		B
0CBUAC0098EZ/	13- 8	AK		B
0CBUAG0139CZ/	13- 6	AQ	N	B
0CBUBB0136DZ/	13- 10	AN		B
0CBUBB0166BB/	13- 15	AK		B
0CBUBC0099BK/	13- 14	AE	N	B
0CBUBC0157AZ/	13- 13	AH		B
0CBUBC0220BZ/	13- 11	AD		B
0CBUBDAC270A/	13- 17	AD	N	B
0CBUBDAC3R3C/	13- 18	AD		B
0CBUBDAC6R2A/	13- 19	AD	N	B
0CBUBDBM110C/	13- 21	AF		B
0CBUBDCC150B/	13- 20	AE		B
0CBUCB0140AZ/	13- 5	AP	N	B
0CBUDA0082ZZ/	13- 16	AP	N	B
0CBUDC0139AZ/	13- 22	AN		B
0CBUDC0162ZZ/	13- 23	AN		B
0CBUEEB101CW/	13- 34	AC	N	C
0CBUEEB181CT/	13- 36	AC	N	C
0CBUEEB183CT/	13- 28	AC		C
0CBUEEB222CT/	13- 35	AC		C
0CBUEEB330CW/	13- 31	AC		C
0CBUEEB471CT/	13- 29	AC		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
0CBUEEB474CT/	13- 26	AC	N	C
0CBUEEB562CT/	13- 37	AC	N	C
0CBUEEB682CT/	13- 38	AC		C
0CBUEEC100BS/	13- 33	AC	N	C
0CBUEEC122BS/	13- 39	AC	N	C
0CBUEEC471BS/	13- 32	AC	N	C
0CBUEFC564BA/	13- 24	AC		C
0CBUEFE391CE/	13- 30	AD		C
0CBUEFE823CG/	13- 27	AC		C
0CBUEGER27AS/	13- 25	AG	N	C
0CBUEZ0524ZZ/	13- 59	AD	N	B
0CBUEZ0530ZZ/	13- 65	AG	N	B
0CBUFBA102DH/	13- 40	AC		B
0CBUGAC122GK/	13- 51	AG		C
0CBUGAC821LC/	13- 55	AH	N	C
0CBUGAD221HD/	13- 52	AE		C
0CBUGAD471GK/	13- 53	AG		C
0CBUGCM222AU/	13- 43	AD	N	C
0CBUGCS222AP/	13- 54	AC		C
0CBUGCU103BC/	13- 46	AD		C
0CBUGCU331BQ/	13- 45	AD	N	C
0CBUGCZ222CK/	13- 42	AF		C
0CBUGCZ332CK/	13- 56	AG	N	C
0CBUGFF102ARX	13- 49	AC	N	C
0CBUGFF103AR/	13- 47	AC		C
0CBUGFF222AR/	13- 57	AB		C
0CBUGFF473AR/	13- 48	AB		C
0CBUGFM103HW/	13- 50	AF	N	C
0CBUGZ0945ZZ/	13- 44	AQ		C
0CBUGZ0985ZZ/	13- 41	AF	N	C
0CBUKZ0578ZZ/	13- 2	AH		C
0CBUKZ0703ZZ/	13- 3	AP		C
0CBUZZ0100ZZ/	13- 60	AH		B
0CB829650007/	13- 1	BD	N	B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type recommandé par le constructeur.
Mettre au rébut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfare vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

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